Smart treater truck

Optimize chemical delivery and reduce your carbon footprint

Oilfield systems in North America include a vast number of production and injection wells. Many of which need batch chemical treatments as part of their maintenance program. Many of these treatments are reliant on batch treater trucks. Operation of these treatment programs have historically relied on a manual record and operating system which have obvious limitations.

The smart treater truck

In order to improve efficiency, Baker Hughes have introduced a newly designed smart treater truck which incorporates a tablet-based, real-time delivery management system.

These fully automated treatment trucks are a step forward in our drive for flawless exection and delivery of accurate volumes of product to the well.

How does it work?

The aim is that each well gets consistent and reliable treatment. As the truck travels around the field, the GPS location of the vehicle is captured and the truck automatically recognizes the well site on arrival. Next, the chemical name, quantity, and water flush volume are automatically confirmed. Once the treatment is complete, the exact quantities used are fully captured and the treatment is time stamped.

Truck features include:

- A fully automated chemical batch treating system
  - Fully automatic valves and water flushing
  - Zero manual valve movement
- Treatment hose “in-truck” engagement
  - Transmission doesn’t engage if hose in not holstered
  - Cannot drive away with treating hose still attached to wellhead
- A Posi “grounding” verification system makes sure equipment is safely grounded
  - Chemical treatment will not start without positive grounding

Applications

- Production and injection wells

Benefits

- Treatment efficiency saves OPEX
- Reduced trips lowers CO_2 emissions
- Less on-site manpower reduces HSE risks
- Increased asset integrity reduces risk to production uptime