

TRUE SUCCESSES

BATTERY EXPERIENCES RECORD PRODUCTION WITH ADDITION OF NEW DEMULSIFIER

Challenge

A Producer in the Clearwater play contacted PureChem Services as their battery was full of emulsion and was within hours of being shut-in due to BS&W issues with the FWKO, treaters and sales tanks. PureChem staff went out to site and while trouble shooting, determined that there was a dehydration issue with the current treatments being applied. FWKO was padded and shipping to treaters at 6-14% BS&W, treaters were padded and shipping ~1.0% higher than acceptable BS&W cuts to the sales tanks. The battery was full and field tanks were almost full, possibly resulting in the field production and plant being shut-in.

Solution

PureChem conducted field testing and lab testing at our Slave Lake location all within six hours of receiving the original call. The results showed the current treatments were not effective in dropping solids, and dehydration was not meeting requirements. Our technical team was also on-site, performing bottle tests on the fluids in question. Within four to six hours the team identified the chemical solutions and applied them to various injection points. The battery started to show signs of improvements and was shipping again within two hours. The plant was cleaned up and shipping resumed. Eliminating the need to shut-in production saved the company both time and money. PureChem has developed several new products for the Clearwater formation with help from various producers in the area over the last few years. DM-3657 is one of these products and was utilized for treatment in this case. The batch chemical applied was DM-3905 and is a newer blend that was developed for solids drop and handling the base oil drilling muds that are being used for drilling in the Clearwater formation.

Benefit

Our skilled team was able to troubleshoot, apply the correct chemicals and communicate with customer operations to prevent the battery from being shut-in. The Battery is shipping clean and set some daily production records while shipping at 0.2 and 0.3 BS&W and water qualities are remaining very good to disposal.

Area

Marten Hills

Formation

Clearwater

PureChem Product

DM-3657