Drillout Testing Services

Improving efficiency and optimizing treatment programs

GeoKimika Oil & Gas in Action

On-site monitoring services during drillout operations provide information on impact of chemicals used on bacteria counts as well as potential for corrosion of workstring

Challenge

A Permian based operator was detecting iron sulfide and high bacteria counts when bringing their newly completed wells on production. The operator wanted to implement the same treatment program across their completions operations. However, treatment options available for their fracturing operations, were not viable for their drillouts. Additionally, limited industry information was available on need for optimization of drillout water or chemicals.

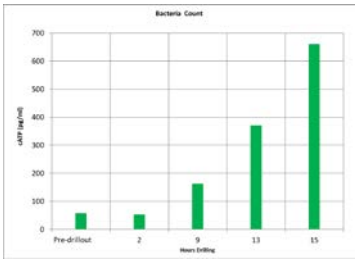
Results

GeoKimika was asked to test the water during a drillout operation and determine if bacteria were present. Testing showed high bacteria counts in all water tanks used, with bacteria counts increasing as the water was reused over the 3-day period. Subsequently, GeoKimika was asked to assist with implementing a process for maintaing water quality for the length of the operation.

In collaboration with the operator and the mixing plant company, a water management and biocide treatment program were implemented. To-date, 55 wells have been successfully treated and the data generated on-site is being used as tool to provide early-time diagnostics for production chemical treatment needs.

Initial Water Conditions

Water samples collected from start (left) to end of job (right)



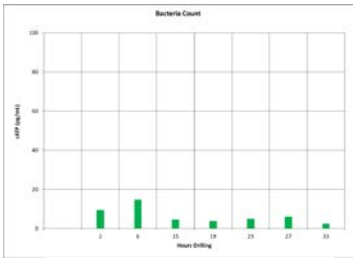
Bacteria count throughout job

Benefits of On-Site Drillout Testing

- Reduces potential for microbially induced corrosion (MIC)
- Provides real-time monitoring of process efficiency
- 3rd party verification of product performance
- Identify opportunities for improvement in both operations and chemicals

Current Water Conditions

Water samples collected from start (left) to end of job (right)



Bacteria count throughout job

Our on-site services can be tailored to any oilfield operation.
Learn more at www.geokimika.com or contact us at 432-242-3192