

## PERSONALIZED COIL TUBING CHEMICAL SOLUTIONS

### WELL-SPECIFIC SOLUTIONS REDUCE YOUR OPERATING COSTS

Efficient drill outs are essential in today's oil and gas operations. And for the highest efficiency, you need coil chemicals and services custom-tailored to the unique conditions of each and every well. This demands a high level of attention to detail achievable only by a lean and mean organization able to turn on a dime. No bureaucratic delays, layers of approval.

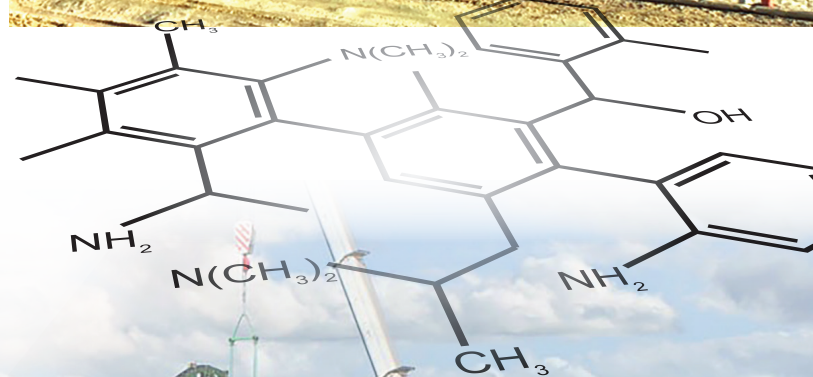
### 23D SERVICES IS YOUR ANSWER.

We come to your job with no pre-conceived notions, no cookie-cutter solutions. We're team players who work hand-in-glove with you to provide world-class coil chemicals and services for your specific well conditions.

### WORLD-CLASS SERVICE STARTS IN THE LABORATORY

Our new state-of-the-art lab and pilot testing facilities are a valuable resource in designing custom-tailored solutions. All of our chemistries are rigorously tested here and in third-party labs. We have a complete line of premium chemicals for CT drill outs using advanced scientific chemical technologies that have been field proven.

When the job begins, sites are fully manned 24 hours a day with our highly experienced staff and on-duty supervisor.



## PRECISE CHEMICAL DELIVERY SYSTEMS

23D Services delivers the goods with our fully self-contained chemical science trailers that inject and meter on the fly. Pumps and meters are sized such that we can consistently add chemicals precisely with a level of accuracy to within 1 part per million. Remote access and control capabilities allow for consistent, precise dosage on every job, all the time.



## HYBRID STATIC MIXING

Remote Monitoring

Watch it work from your phone!

Job Completion Reports

Exact Chemical Injection Reports

Safe Operation

High Pressure Alarms

High Temperature Alarms

Instantaneous BPM Readout

The days of dumping a 5 gallon bucket into an agitated tank are over! Proprietary state of the art equipment allowing us to provide our customers with autonomous mixing/injection units.



Chemical Injection Unit with Nucleus Display up to the minute on your handheld

## MAXIMIZE EFFICIENCY TO MINIMIZE CHEMICAL SPEND

23D Services' premium Friction Reducers, Gels and Lubricants allow you to:

- Extend the life of coil strings by precise management of the circulating pressures during drill outs
- Efficiently build viscosity in the challenging waters we face in the oil and gas industry
- Effectively provide the cleanest possible wellbore through superior carrying capacity

**FRICITION REDUCERS** - High molecular weight polyelectrolyte-based poly acrylamide products provide best in class performance for rapid hydration and maintenance of low circulating pressures.

**GELS** - Our 23DGel line features high viscosity synthetic polymeric chemistries that can be used in 100% water reused/ high salinity brines. Designed for low dosage, rapid hydration, and superior suspension, 23DGel provide the greatest returns for clean wellbores and increased production.

**LUBRICANTS** - 23DLube Max is a custom-engineered pipe on pipe, easy-to-mix lubricant to reduce drag during coiled tubing operations. 23DLube Max excels in challenging conditions such as high rpm drilling and highly deviated wells. A high affinity for metal surfaces creates a tenacious, low friction surface concentrating quickly to where it needs to be. We "get the grease to the squeak."

## 23D SERVICES. BECAUSE NO TWO JOBS ARE ALIKE

Solutions custom-tailored to your specific system reduce your total operating costs in the most challenging environments. Custom systems quickly and reliably deliver the best options while enhancing safety, compatibility, performance and cost efficiency.



Call one of our experts today to find out how we can uncoil your coiled tubing operations.

kelly@23dservies.com | 970-366-6426