# ThunderCloud™ Frac Plugs Success In Low BHT No Chlorine Content Application

**ThunderCloud™ FULLY DISSOLVES AT LOW BHT NO CHLORINE APPLICATION**

TUHA, NORTHWEST, CHINA

## WELL PROFILE

- Oil well
- 5-1/2" 20-23# Csg. T50
- DHT 104 F
- NO Chlorine Content
- 8,402 psi pressure rated

## CHALLENGES

- Low BHT
- No Chlorine Content

## SOLUTIONS

- Special Dissolving materials with self-heating features
- Lab tested
- 8 ThunderCloud™ Low Temperature Dissolvable Frac Plugs

## RESULTS

- Packer Set and Ball Seated with no issues
- Pressure held up when fracturing
- Immediate flowback after frac.
- Fully Dissolution confirmed by fine returns in a fullly flowback 20 days later

## OVERVIEW

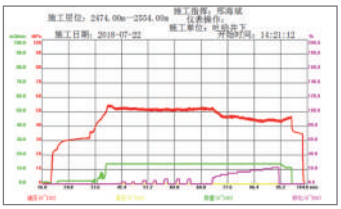
SinoPec one of the largest Chinese operators performing plug-and-perf completion in Northwest China wanted to lower operation cost by eliminating CT mill-out post-frac treatment and extensive debris removal by using ThunderCloud™dissolvable frac plugs in a well with low bottomhole temperature (BHT) of 104 F and at nearly zero chlorine content. Petrostar recommended an new series of ThunderCloud™ Low Temperature Dissolvable Frac Plugs with correct grade of dissolving materials in this challenging application ensuring fully dissolution and reliable integrity.

## OPERATIONS

8 ThunderCloud™ Low Temperature dissolvable frac plugs were set. Packer set and balled seated without any issues. Fracturing went smoothly with max. pressure recorded at 8,402 psi and pressure held up without any issues. The customer was able to successfully flow back the wellbore and start production without issues. The fully flow back 20 days later with fine returns confirming all 8 plugs were fully dissolved.









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