

# ALARA delivers a 5x increase in oil production without workover intervention and pump damage

## CHALLENGES

- Production decline in a rod pump–lifted well required stimulation to restore productivity
- Conventional HCl treatments risked corrosion damage to the pump and downhole equipment
- High well temperature (275°F) significantly increased corrosion risk
- Pulling the pump would require a costly workover rig
- Deferred production while waiting for rig availability would result in lost revenue

## SOLUTION

[ALARA™ advanced low-aggressive reservoir acid technology](#) was deployed to:

- Safely restore production while protecting rod pump and downhole equipment from corrosion damage
- Maintain the dissolving power of 15% HCl for effective scale dissolution
- Eliminate corrosion risk in high-temperature well conditions (275°F)
- Provide safe-on-personnel and environmentally friendly acid solution
- Streamline operations with a stable, ready-to-pump formulation
- Enable a rigless bullhead intervention, eliminating the need for a workover rig



## RESULTS

**5 x increase**  
in oil production

**\$250,000 USD**  
cost savings by eliminating the workover rig

**\$125,000 USD**  
in incremental production by avoiding deferred output during rig wait time

**50% reduction**  
in transportation costs compared to conventional HCl

**Zero NPT**  
due to ready-to-pump delivery and improved operational efficiency