Put your FRAC in the ZONE

**GOOD ZONAL ISOLATION — WITH TAM FREECAP® SWELLABLE PACKERS**

- True stage isolation
- Effective and efficient stimulation
- Stimulate more producing reservoir

**POOR ZONAL ISOLATION — WITH HYDROMECHANICAL PACKERS**

- Packer bypass / comingling
- Poor frac growth / penetration
- Reservoir not stimulated as designed

Tracer logs show improved stage isolation and better frac placement with TAM swellable packers when compared to an offset well utilizing hydromechanical packers.

**FREECAP® SWELLABLE PACKERS**

Where is your frac going? Are you getting what you paid for? Is your frac in the zone? Let TAM show you how to get better zonal isolation and more effective and efficient stimulation.

TAM INTERNATIONAL
Inflatable and Swellable Packers
45 YEARS OF SUCCESS
MULTI-STAGE OPEN HOLE FRACTURE OPERATION
15-Stage Open Hole Completion in Naturally Fractured Marmaton Formation – Oklahoma

CHALLENGES: A US operator in the Oklahoma Panhandle attempted to efficiently stimulate 5,000 ft of lateral with the use of an open hole completion. The presence of natural fractures makes true stage isolation difficult with the use of hydromechanical packers. The utilization of radioactive tracers determined that the hydromechanical packers were not containing the stimulation and the stages were comingling.

SOLUTION: Due to the abundant natural fractures and irregular hole conditions a 10 ft FREECAP® water swellable packer was used in place of previously run hydromechanical packers. The increased seal length and conformance to borehole inconsistencies created a better seal and improved zonal isolation.

RESULTS AND BENEFITS: TAM swellable packers enabled the customer to effectively isolate 15 individual stages during the stimulation. Radioactive tracers were employed to verify that the TAM FREECAP® swellable packers were in fact performing as designed and provide better stage isolation and improved frac placement. The wells utilizing TAM swellable packers have shown an increase in production compared to the earlier wells in the same field that used hydromechanical packers for zonal isolation.