



BLACKHAWK
SPECIALTY TOOLS
A division of Frank's International

Value vision

BLACKHAWK'S BIG EASY™ FRAC PLUG SAVES TIME, IMPROVES DRILL OUT EFFICIENCY

OBJECTIVE

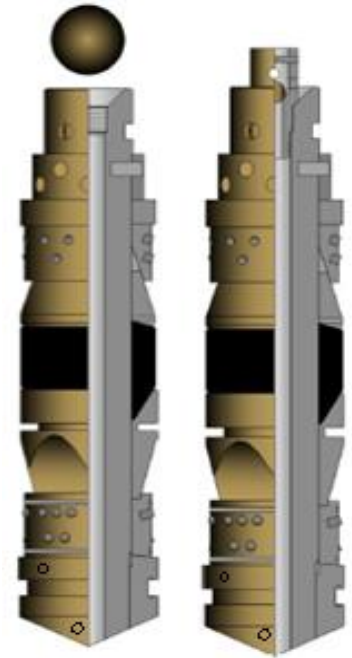
- Provide operator with a short-term barrier to separate stages during stimulation operations.

SOLUTION

- Blackhawk's Big Easy™ Frac Plug enabled vertical run in speeds of ~600 feet per minute. and horizontal speeds of over 450 feet per minute.
- Simple installation of Big Easy™ Frac Plug on standard setting tool.
- Superior engineered design to prevent presetting.
- Robust holding capability to prevent slipping.
- Composite slip design to ensure ease of removal.
- Ball run in place conserves water.

VALUE TO CUSTOMER

- Due to its robust design, the Big Easy™ was installed at running speeds of ~420 feet per minute.
- By having the ball run in place, the customer was able to save approximately 15,000 barrels of water over an average ball drop.
- Blackhawk's Big Easy™ design enabled the customer to flow back the well after one stage screened off.
- The highly engineered composite material enabled drill out times of four-and-a-half to six minutes with standard drill out procedures.



CUSTOMER

US Land Operator

LOCATION

Permian Basin

JOB TYPE

52 Stage Stimulation Job

WELLBORE FLUIDS

3% KCL Water and Sand Laden Frac Fluid

PRODUCTS/SERVICE

Big Easy™ Frac Plug