



CASE HISTORY

Well Intervention: Bridge Plug Water Shut-off

SlikPak™ Plus

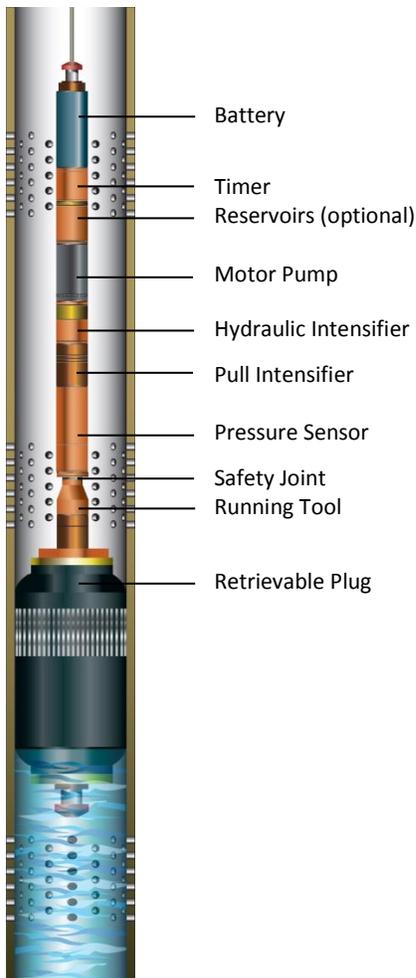
SLIKPAK™ PLUS TO RUN INFLATABLE BRIDGE PLUGS

Slickline/Wireline Conveyed Inflatable Bridge Plug Setting System



CHALLENGE: A client in Baku, Azerbaijan needed to set a bridge plug at a depth of 11,106 ft. (3385m) to plug off a water producing zone inside of a 7 5/8 in. casing liner. Due to the limited deck space the BHA had to be rigged up in portions so scaffolds and access baskets were used to rig up and run the BHA in the hole safely. The entire setting of the bridge plug was expected to take 9 hours.

SOLUTION: TAM International provided the SlikPak™ Plus system, a battery operated, computerized, inflatable, retrievable bridge plug setting system designed to be run on slickline or electric line. The system uses a 2 1/8 inch OD tool string which uses battery powered memory technology to control a down hole pump that inflates the bridge plug with wellbore fluids, or carried fluids within chambers which are used if the well is filled with mud or gas. SlikPak™ Plus is deployed faster and with more accurate depth control than coiled-tubing and with a much smaller footprint for small platforms and tight locations. TAM ran a 3 3/4 inch inflatable bridge plug via e-line and set inside the 7 5/8 inch casing without any issue and shut off the water. To prevent premature inflation, the SlikPak was engineered to start the inflation process after 30 minutes of inactivity. The process to assemble, run in hole and retrieve took 12 hours. TAM personal on the job were very diligent in making sure that movement on the work string continued until the setting depth was reach. Continuous movement prevented the SlikPak system from entering the inflation phase until it reached the target depth.



RESULTS AND BENEFIT: A follow up with the client's interventions engineers advised that the water production was reduced significantly in the well after setting inflatable bridge plug for a water shut-off application.