OH Squeeze for Significant Loses

425 x 788 TIP & Cement Retainer Kit

Location: Gulf of Mexico

**CHALLENGE:** An Offshore Operator endured significant losses while drilling their 12 1/4-in. open hole section. They were in a salt zone with TD at 11,519 ft. The 11 7/8-in. casing shoe was at 4,700 ft. and they determined that the losses were located around 6,000 – 7,000 ft. They wanted an open hole squeeze packer to squeeze cement into the losses. The customer already attempted pumping several slugs to remediate the problem without success.

**SOLUTION:** TAM provided and ran the 4.25-in. x 7.88-in. TAM Inflatable Packer (TIP) Cement Retainer with SE1 element to 10,200 ft. MD to squeeze cement and stop significant open hole losses. The cement retainer was set and then TAM disconnected via hydraulic release. A 500 ft. balanced cement plug was pumped above the cement retainer. TAM ran in the hole with the second TIP, set at 6,200 ft., and disconnected using the hydraulic release. There were no losses while circulating and pulling out of hole due to the customer pumping 40 bbls of 19 ppg slug downhole.

**RESULTS AND BENEFIT:** TAM provided a solution to the customer to stop significant open hole losses by using an inflatable cement retainer as a base to pump a balanced cement plug. The second BHA was able to withstand 20k lbs. of overpull and still set and function with optimum performance, allowing the customer to balance a cement plug on top of packer to assist a side track if needed.