A customer in northern Oklahoma needed to retrieve a permanent production packer that preset 1,700 ft (518.16 m) from the surface. Completion of the well was being held up and the project would soon be behind schedule. For that reason, the operator required the packer be removed in the same trip as it was milled, and that the packer be milled in the quickest way possible.

To meet the customer’s requirements, Baker Hughes, a GE company (BHGE), deployed the Quick Pick™ milling assembly dressed with industry leading METAL MUNCHER™ advanced milling technology (AMT) carbide. The packer had a 6-in. outside diameter (OD) extending 20 in. from the start of the packer to the slips, and an inside diameter (ID) of 3.875 in. with an alternate bore of 5 in. extending 17.5 in. from the top.

The Quick Pick assembly allowed for the packer retrieval spear to be engaged while the mill was rotating on the packer so that when the slips were milled over, the packer would not fall. In addition, the complete fish could be retrieved to surface in a single run. During milling operations, the robust packer mill reduces spinning on packer components such as rings and cones.

The METAL MUNCHER AMT G3 cutters are backed by SUPERLOY® crushed carbide. The G3 cutters have strong, impact-reducing, ultra-sharp primary cutting edges, and last longer under heavy impact than other conventional carbide inserts. The geometry of the cutter provides a secondary cutting edge and chip breaker if the primary cutting edges wear away, which helps reduce plugging.

The Quick Pick assembly was run in hole and the work string was rotated by a swivel on surface. After a total milling time of 4 hours and picking up a few times while on the packer, the fish was freed and brought out of hole in a single run. The customer was then able to put the well back on track and complete the wellbore on schedule.

**Challenges**
- Retrieve a permanent production packer in the same trip as it was milled
- Mill in quickest method possible
- Restore production schedule

**Results**
- Packer was milled, freed, and brought out of hole in the same trip
- Completed milling in 4 hours
- Well completion was put back on track and schedule restored
New 6.151-in. Quick Pick mill with G3 cutters

Quick Pick mill with G3 cutters after milling permanent production packer