

Unconventional Debris Fishing Service Case

Challenges

1. Many down-hole fishes are irregular, easy-deformation, light-weight, and difficult to deal with.
2. The present tools only provide monadical methods and always led to low successful rate and high risks.

Solution

Sort the fish according to materials and structure, refine current tools and design new tools, summarize relative operation technique.

Performance

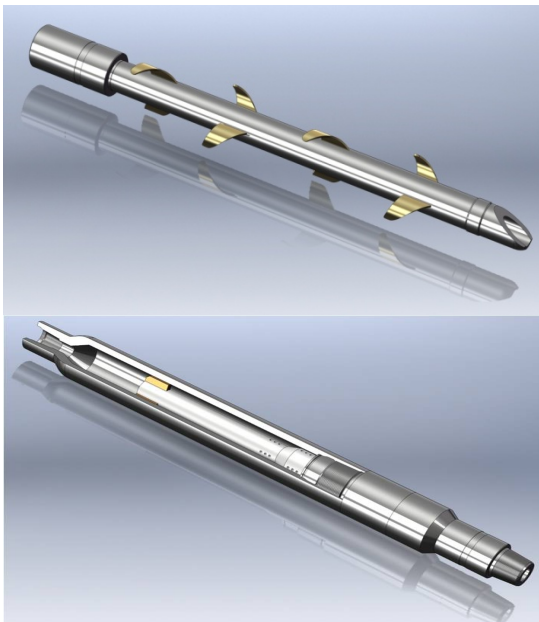
Obtained a series of purpose-built tools and techniques target on debris and wrapped cables even with tubing or pump; save more than 15% man hour.



Magnet junk sub



Flat magnet



Washable cable catcher

Internal junk sub



Composite overshot



Fishing cable