

Casing Exit Service Case



COSL one trip casing exit system embodies features as below:

- Smaller dogleg at window allows longer BHA and complex completion tools passing through smoothly.
- Can carry out casing exit operation through multilayer casing;
- Setting anchor, milling out window and drilling rat hole in one trip;
- Hydraulically setting anchor;
- Retrievable when necessary;

In late April 2016, COSL successfully carried out casing exit service for a well at P3-C in Bohai oilfield. By April of 2017, totally 24 wells of casing exit service have been conducted, with a 100% successful rate.

Well depth arranges from 475m to 1795m, well deviation of windows arranges from 10 to 71 degree. Non unusual condition while operation. The friction of majority window is under 5klbs, ensured the consequent drilling and running-casing operation.

By optimization of operation parameters and mill structure, the efficiency has been greatly enhanced. At present, in Peng-Bo oil field, average time of casing exit in 9-5/8" is 6 hours.

