

Wellhead anti-wax inner coating tubing technology application case

Technology introduction

The new ATP-400 coating is used for the inner coating operation of the tubing. The coating type is the bottom liquid + surface powder type, the coating film thickness is controlled at 170-350 um, and the coating is used in the downhole environment temperature up to 150 ° C. The layer technology can effectively control the wax and scale/hydrate clogging of the wellhead tubing, reduce the frequency of workover in the procurement process, save oil exploration costs, and improve the timeliness of oil exploitation.

Technology states

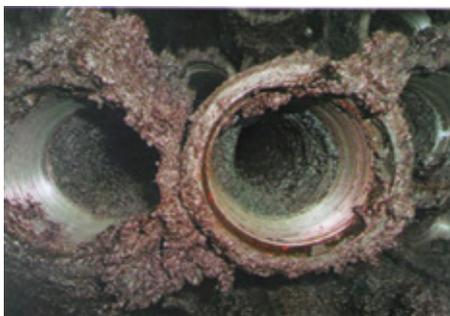
The ATP-400 inner coating anti-wax coating developed by Southwest Petroleum University has been widely used in Changqing Oilfield with remarkable effect. Our unit, in conjunction with Northwest Petroleum University, has completed the technical exchange of the technology in the first-stage, fourth-plant, and completion testing centers of the Northwest Bureau, and reached a trial consensus. At present, we have already purchased the coatings in place, and the Northwest Bureau plans to select two trial wells for use. At present, we are selecting the test well, and after confirming the trial well, we will immediately organize production.

Application case

A trial consensus was reached with the Northwest Bureau, which is currently being promoted and exchanged in the Tarim Oilfield Branch.



Technology Exchange



73mm diameter uncoated tubing



73mm diameter uncoated tubing removed from the well during workover



In 2014, 380 days and nights of coated tubing removed from well No. 5094 of Dongtan Oilfield without dewaxing

The case of waxing of uncoated tubing

The condition of the oil pipe after coating