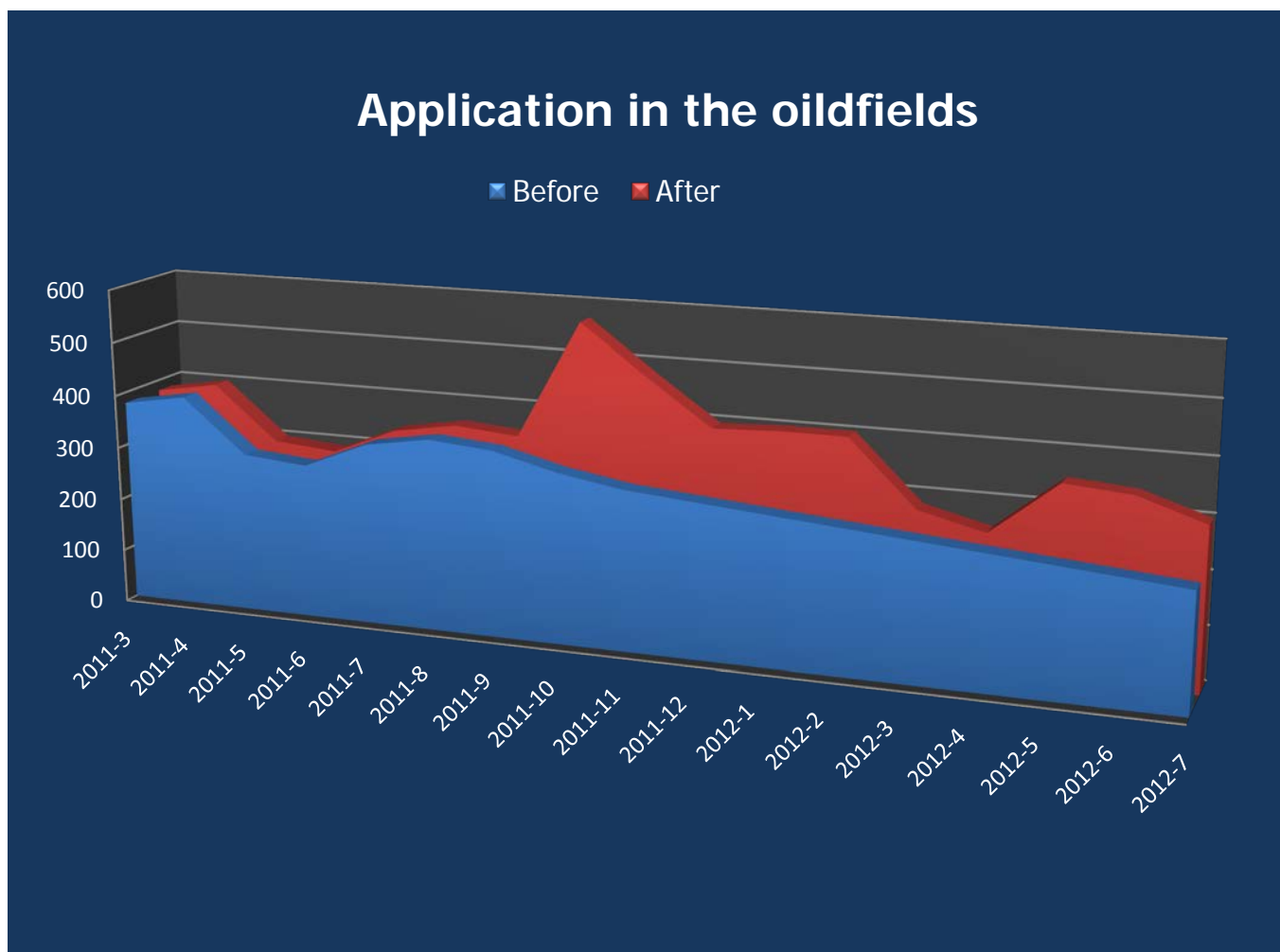


Applications of SL-BPPAC



In 2011, 2012, 2013 and 2014, we made four BPPCA profile plugging experiments in Xingang Oil Production Company in Xinjiang Karamay oilfield (by CNPC) and Xinchun Oil Production Company in Xinjiang Karamay oilfield (by Sinopec) respectively. And they have achieved remarkable results.

1, SL-BPPCA is environment friendly biological polymer material. It is the only effective way to solve present "two highs" problems in oilfields (high water content and high recovery degree), and its gelation system can get the gelation temperature as high as 120°C, the gel strength is up to 1000g/cm². And its injectivity is high, and the stability of high temperature ageing is good. So it is an ideal plugging agent for oilfields with high temperature.

2, SL-BPPCA has high tolerance of environment salinity which can be 200000ppm.

3, SL-BPPCA gelling plugging system can be made up with sewage.

4, SL-BPPCA has strong plugging performance, and can change the fluid's flowing direction which is ideal for using in the oilfields with large cracks, holes and high water content.