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### **New Findings of Plays in China**

In the recent years, China has made great successes in petroleum exploration, and discovered successively some huge oil or gas fields, such as Penglai 19-3, Sulige, Kela 2. All these discoveries not only mitigate the oil shortage that has happened since 1993, but also provide enough gas for the project of West to East that is being constructed now. In fact, all these successes are nearly related to application of petroleum system, play and new technologies in China's petroleum exploration. Herein, by the examples of Bohai Sea, Gentle Slope of Erdos basin, Kuqa Depression of Tarim basin, the paper will mainly introduce some new findings of plays in these areas, and analyze main factors controlling the formation and distribution of oil or gas reservoirs in these plays, and predict their petroleum potentials. The paper finally will summarize the experiences of discovering these plays.

In Bohai Sea, a play of upper Tertiary mainly consists of a series of structural traps and distributes around generation hydrocarbon center-Bozhong sag, and Neotectonism (Bohai movement) by Tanlu faults controlled the hydrocarbon accumulation. In Gentle Slope, a play of upper Paleozoic mainly consists of a series of lithological traps, and qualities of reservoirs controlled the accumulation of gas. In Kuqa Depression, a play of Mesozoic consists of anticlinal and fault traps, salt beds controlled distributions of gas. In addition, wide use of advanced technologies, like high resolution seismic technique, under balance pressure drilling is a key factor to discover these new plays.