

Baker Hughes

“Enhancing Well Performance through Innovative Completion Technologies”

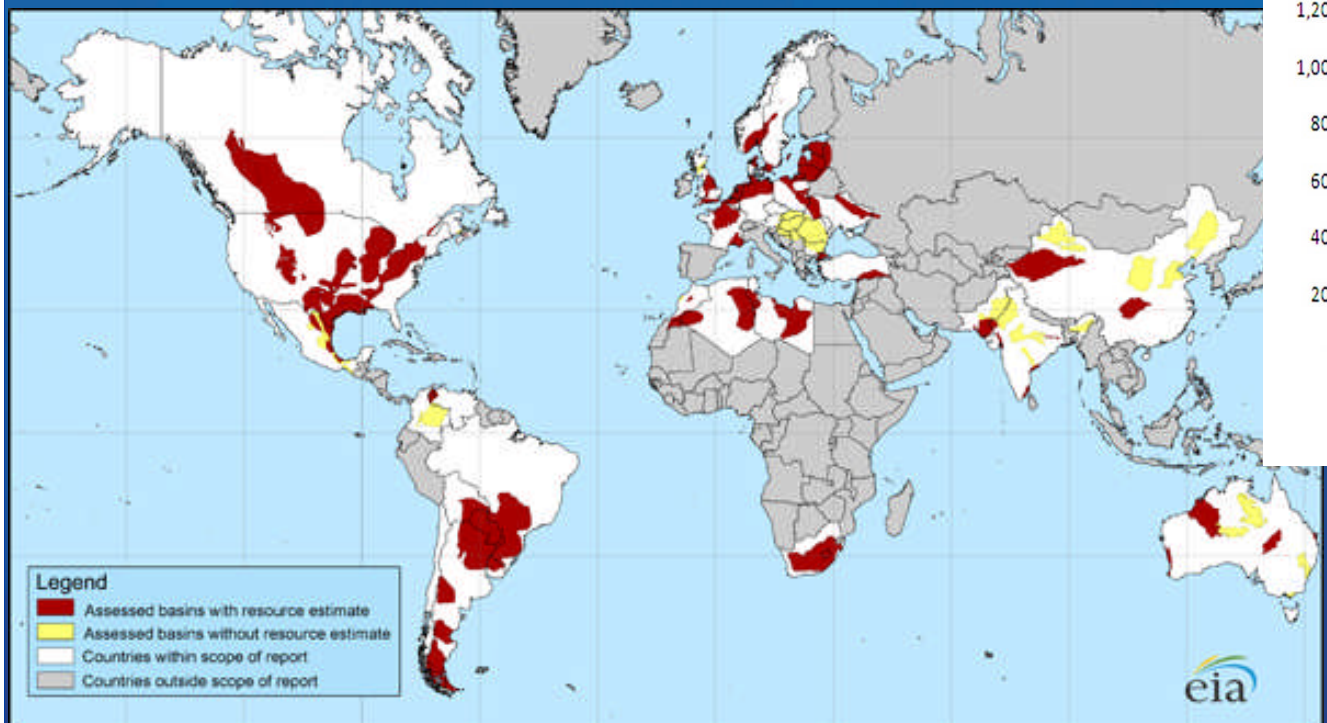
Xiang Qian, Vice President Global Account – Chinese National Oil Companies

12th U.S. – China Oil & Gas Industry

September 10 - 12, 2012

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Major Shale Basins Globally: China and US Largest Estimated Reserves



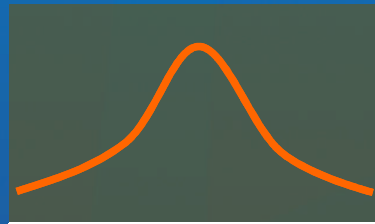
Source: US EIA , "World Shale Gas Resources: An Initial Assessment"

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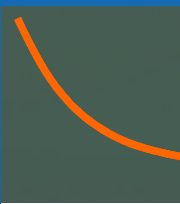
Technology Impact



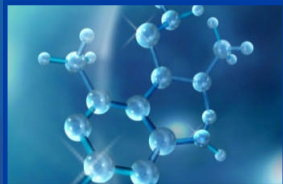
Unlock market potential



Reduce the risk vector



Increase



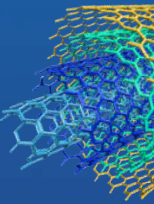
Sustainable
Chemistry



High Performance
Information



Advanced Measurement
& Actuation



Design
Materials



Deepwater



Unconventional



Unconventional – Completion Techno

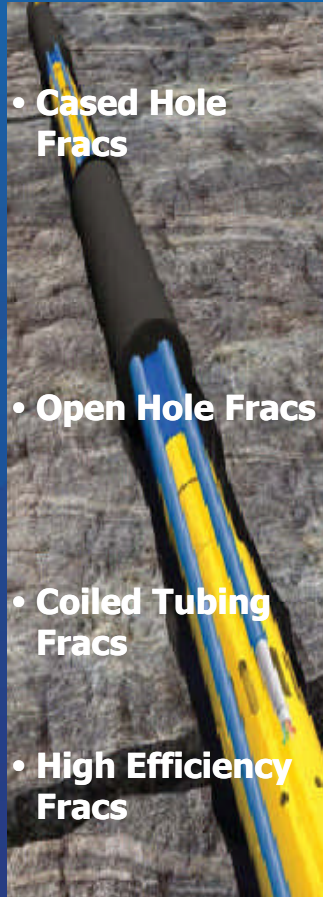
Business Drivers

- **Increase Operational Efficiency**
- **Increase Reservoir Contact**
- Minimize HSE Impact
- Reduce NPT



Applications

- **Cased Hole Fracs**
- **Open Hole Fracs**
- **Coiled Tubing Fracs**
- **High Efficiency Fracs**



Enabling Technologies Techno

AMT Cutters



Telescoping Port



Controlled Electrolytic Metallics



Plug & Perf Experience in North America

Total number of Composite Plugs as of 6/1/12



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