



## **Dissolvalloy Introduces Revolutionary Frac Ball**

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Porter TX, 23-DECEMBER-2015 ? Dissolvalloy™ is pleased to report that their revolutionary frac ball which was introduced in 2013 has been deployed in thousands of horizontal frac completions throughout Canada and the United States. Manufacturer and independent testing reveals significantly superior performance over metallic or plastic frac balls. The findings through testing and in actual operations have established the reputation of the product as a leader in the industry. Conventional frac balls have been used in hydraulic fracturing for years, but they are being replaced by the new technology.

To date, more than sixty thousand of the disintegrating frac balls have been placed in horizontal frac locations. The performance in each case has been significantly superior. The product distributed by Dissolvalloy? is a magnesium-based item, combined with additional particulates of metal in a proprietary formula at the nanotechnology level. The resulting alloys are able to withstand higher pressure readings and temperatures than is possible with conventional metallic and plastic iterations.

Because the frac balls disintegrate more uniformly, they make it possible to drill under more arduous conditions. Retrieval procedures can be eliminated, thus saving the customers both time and money. Customization is available in order to apply specific solutions.

Dissolvalloy frac balls have the ability to dissolve more rapidly and evenly than other types of conventional frac balls. As the new product is in use, it dissipates in particles which are micro-sized. The risk of tool damage in the string is minimized. In addition, because the balls completely disintegrate, there is no need to go through the process of retrieving the balls which were not utilized in conventional processes. Testing shows that a 2.125-inch diameter ball under 3% KCL solution at 200 degrees F will completely dissolve in 48 hours or less.

Extensive testing in line conditions, as well as in the laboratories of independent testing facilities show that the product is able to withstand pressure of as much as 15,000 psi. The balls can be effective in temperatures up to 300 degrees. Every lot of the frac balls is tested before it is shipped.

The Dissolvalloy? frac balls can be customized to disintegrate at rates that are controllable. Preventing damage to internal well-bore tools and eliminating the need for physical retrieval saves customers time and money. The product is compatible with sliding sleeves, bridge plugs and perf completions.

Overall, the new frac ball technology provides faster, more adaptable, more efficient and cleaner production. In addition, the product offers more profitable production operations.

Further information about the new frac ball technology is available at <http://www.dissolvalloy.com>.

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## **Dissolvalloy**

*Since its introduction in 2013, over 60,000 revolutionary dissolvalloy? disintegrating frac balls have been successfully deployed in thousands of horizontal frac completions in the United States and Canada.*

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