

# Junk Shot Kit

Stay Ready, So You Don't Have To Get Ready!

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## Junk Shots in Well Control: A Vital Intervention

Oil and gas professionals, especially those working in the well control industry, have countless stories of deploying **Junk Shots** during well blowouts. While various colorful names exist for this technique, the fundamental steps remain consistent.

## What Are Junk Shots?

Junk Shots involve introducing mechanical and malleable materials into an active well blowout. These materials are directed toward the failure mechanism. The chosen material must be both malleable and robust enough to withstand high delta pressures. As the Junk Shot material enters the well, it begins creating a bridge at the failure point. Subsequently, smaller parts of the Junk Shot pack into the remaining voids, ultimately achieving a 100% seal.

## The Role of Positive Pressure

The Junk Shot “plug” remains in place due to positive pressure applied by the well. However, this step is just one part of regaining well control during a blowout. A comprehensive plan should be ready for well control intervention as soon as the Junk Shot stops the flow. This could involve well killing operations, wireline work, slick line work, or other live well methods to address the surface failure mechanism.

## Understanding Blowouts

A blowout occurs when the flow of a well becomes uncontrollable. It doesn't necessarily have to be an oil, gas, or formation water release—it can be a combination of all three. Additionally, the rates of flow from the failure exit point vary, ranging from a mere drip to a steady stream or even absolute open flow (AOF).

## Features

- Kit features ready made items that have historical success in Well Control ops.
- Kit designed from and with input by industry Well Control Specialists
- Access to our In House Well Control Specialist is part of this system.
- JSK designed for up to .500” diameter mechanical breech in pressure control components.



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## Junk Shot Kits: Precision and Preparedness

Our meticulously hand-built **Junk Shot Kits** are designed and manufactured in the USA. We consulted several senior well control specialists to determine the essential components. These kits address the critical need for rapid response. Small leaks on producing wells can escalate quickly, making timely intervention crucial. Once operators are notified, management teams engaged, and blowout contingency plans activated, every minute counts. Having well-prepared Junk Shot material readily available ensures a proactive approach to well control.



Figure 1 - Patriot Knots .330"-.360"



Figure 2- Junk Shot Kit Components

## Junk Shot

- Up to .500" breach
- Varying diameter material to fulfill issues ranging from failed Ring Gaskets, Bonnet leaks, Valve Stem failures, etc.
- Each Junk Shot Kit is comprised of 13 unique components.
- The Junk Shot Kits are shipped in an HDPE Bucket with a Gamma Seal Lid to thwart exposure and increase shelf longevity.



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