



## Velocity Tube

### Overview

#### **The Raise Production Velocity Tubing Extension Maximizes Well Production and Increases Production Efficiencies.**

The Raise Production Velocity Tubing is a unique wireline-run tubing extension that greatly improves a wells ability to produce more Oil & Gas. The smaller ID of the Velocity Tubing significantly increases velocities to lift gas and liquids from the larger ID of the annulus to the production tubing, thereby increasing the efficiencies of the well. The installation of the Velocity Tube can also improve the performance of a plunger system by increasing gas velocities at the bottom most operating point of the Intermittent (plunger) where the most energy is required during a cycle.

### Description

#### **Simple, Safe & Efficient**

The innovative method Raise Production utilizes for installing long Velocity Tubes results in consistently conducting them in a safe and efficient manner. Your most challenging wellbores would be completed in a timely manner, resulting in enhanced production. Raise Production's Velocity Tube systems are safe, efficient and with our unique engineered installation design, simple to install. Raise Production's Velocity Tube systems are effective tool to ensuring maximum reservoir recovery.

#### **Economic Well Optimization Solution**

Raise Production's Velocity Tube systems are the most economically competitive solution available in the market place. In the declining Western Canadian Sedimentary Basin, the economics of well enhancement solutions are of paramount importance. As a producer, you can be assured that our Velocity Tube solutions will be the most economic means to enhancing the value of your producing assets.

#### **Locally Developed & Supported**

All of Raise Production's solutions are developed and supported locally. This means that your Velocity Tube designs have been proto-typed and manufactured for the North American marketplace. It also means that support is nearby and trained for the varying conditions of the North American marketplace. Your producing assets are your livelihood and therefore our Velocity Tube solutions ensure longevity and maximum value are achieved.

#### **Fully Integrated & Innovative Solution**

Raise Production's Velocity Tube systems are designed to work in conjunction with its interlift product offering. This innovative and integrated approach means that our clients receive consistent and reliable product performance. Our Velocity Tube is utilized in many completions and in many forms to enhance a well's productivity.



# Features

## Knock Out Plug

- Carefully designed to handle maximum pressure and not shear with the hydraulic effects of well fluid
- Positively engages the retaining body to ensure the plug remains in place
- Utilizes a 3 part system that equalizes internally when the velocity string enters the fluid level of the well
- Can be manipulated without risk of losing the plug

## Positive Ram Placement (PRP)

- Used in conjunction with No-Go Cage
- Designed to positively indicate when the Velocity Tube is properly positioned in the BOP
- Designed to be mechanically exact and provides the safest and most accurate method available for placement of pipe rams
- Provides a safe and accurate joint make up technique
- Ensures that the velocity string collar is below the BOP rams to prevent any potential movement of the string under pressure load
- Facilitates safe and efficient removal of Velocity Tube in live well conditions

## Hold Downs

- Provides maximum versatility and safety in securing the Velocity Tube anywhere in the tubing
- Can be extended to the perforations
- Land Velocity Tube in tubing string with or without nipple profiles

## No-Go Cage

- Ensures that the Velocity Tube lands at the same location every time
- Ensures that the BOP rams are closed at the correct place every time

## Landing Nipples

- Run in place above the Knock Out Plug for long Velocity Tubes
- Allows the removal of the long Velocity Tube string under pressure if desired
- Can be used to provide redundant isolation in snubbing procedures where requested

## Swivels

- Raise Production has designed Swivel technology that allows for the installation of long strings of Velocity Tube with fewer problems on entry
- The Raise Production Swivel technology allows 4-6 degrees of flexibility and is usually run every 20 - 30 meters to help eliminate hold up or drag
- Swivels eliminate the effects where the hydraulic fluid would work conventional plugs out when trying to manipulate the string to the desired set depth

## Safety Valve

- Raise Production has a full bore Safety Valve that can be placed in the top of the string in the event that the wire line lubricator has to be removed for any length of time
- The Full Bore Valve allows the .875" or 1.125" plug to run through it and also allows a pumping fluid path in the event of Knock Out Plug or wire line plug failure



PRP Coupling



Type A Swivel

# Contact Information

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