



# VME-100<sup>®</sup> EOR

From Complus Trading North America LLC

## Usage Instructions

VME-100 is a microemulsion product with nano particles at 1-2 nano meters. This is used in Well Head application for well stimulations. It works well in all permeabilities and porosities. Best used in sandstone, in tight well formations and unconventional formations. Temperature limits at 180F or 82C. Not available in Heat Resistant Formula. VME-110 works ideally in API in 26 to 70's.

### Product Dilution

Mix VME-100 at 3 to 4 GPT directly into 2% to 3% True KCL (**No Substitute KCL should ever be used**).

### How to use it

- VME-100 is to be pumped directly into the formation using the normal pumping methods used for Well Stimulation.
- Soak times range between 7 to 14 plus days at a minimum.
- Once the optimum Soaking Period has been met the well flow should only be opened to a maximum of Flow Rate of a 30% capacity for the next 2 months. The Flow Rate should gradually be opened to full flow over the next 2 months. This process will help insure, that the VME-100 stays working in the formation and is not passed out immediately during of the oil recovery process.



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## Important Notes

**Note:** In reviewing well stimulating programs always consider the review of the well's core analysis data to understand each well's Clay content within the formation. If Clay is found in the Formation, then a 2 to 3% KCL (Potassium Chloride) should be used as a dilution with the water volume to prevent most Clays from swelling and inhabiting the oil flows. In cases where high levels of Smectite are found in the well's formation (Volumes Greater than 8%), then use our products are best used in conjunction with PHPA, or displaced with Nitrogen or CO<sub>2</sub>, during the stimulation process.

**Note:** Each product above will change the formation's rock from Oil Wet to Water Wet or are offered in specific products that will change the rock from Oil Wet to Water Wet.



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