

## **S1.5.2 SPIRAL MEMBRANE ELEMENT DEHYDRATION OF COMPLETION FLUID**

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Completion fluid used in the oil and gas industry gets diluted when used to complete a oil well. This type of fluid is quite expensive at up to \$100 per gallon and needs to be dehydrated back to its original fluid weight prior to reuse. This is traditionally done using commercial evaporators that consume large amounts of energy. This paper will discuss an alternative process using a dual tangential flow spiral element that is faster and uses considerably less energy than traditional evaporation dehydration.