



## RO FA H603 Case History

### Anti-Agglomerate application for hydrate control.

#### Challenge

The foreman of a gas and light liquids producer requested REDA Oilfield to trial RO FA H603 at two locations in their field. The two locations were using large quantities of methanol to control hydrates. Due to economics and volume handling, the operator was looking for a more efficient application.

#### Solution

REDA Oilfield reviewed the two locations and completed a hydrate curve for each location. REDA Oilfield recommended RO FA H603 for application to control hydrates and reduce volumes of injection.

#### Application

The programs were started at each location using 2 pumps to inject chemical down the tubing and the pipeline. Rates were started at the original injection rate and then lowered 50% the first 5 days. Once 50% was achieved and hydrates were kept under control, rates were then lowered by another 25% compared to initial rates, over the next 8 days. Pigging and pipeline pressures were monitored for increases in pressure or possible hydrates.

Program #1 is currently injecting 20 L/d down from 85 L/d and only using one pump on the tubing, Program #2 is currently injecting 40 L/d down from 170 L/d and is now only using one pump. Each location has achieved 75+% reduction and will continue to be adjusted to lower rates.

#### Program#1 Field Parameters

Temperature	7.5°C.
System Pressure	4250 kpa
H <sub>2</sub> S	0 ppm

Chemical Delivery Savings, Avg 2hrs per location	\$2160
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Anti-Agglomerate Inhibitor Savings	\$1460
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<b>Savings per well per year</b>	<b>\$3620</b>
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#### Program#2 Field Parameters

Temperature	31°C.
System Pressure	4200 kpa
H <sub>2</sub> S	0 ppm

Chemical Delivery Savings, Avg 2hrs per location	\$2760
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Anti-Agglomerate Inhibitor Savings	\$5110
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<b>Savings per well per year</b>	<b>\$7870</b>
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## Conclusion

RO FA H603 was successfully deployed in the field providing the operator with tubing and pipeline protection from hydrates.

As a result, the operator saved a significant amount in cost due to reduced fuel gas, pump repairs, road maintenance, trucking and chemical cost.

For further information about REDA Oilfield products or for technical support, please contact your local REDA Oilfield rep.