

## SIEMENS COCIGY

Real time production optimization in conjunction with virtual flow meter Bob Okhuijsen

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#### Overview

- Real Time Optimization
- Virtual Flow Meter
- Combo for gas lift











#### **Virtual Flow Meter**





## Virtual Flow Meter:

Soft sensor Data driven Real Time Multiphase flow

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#### Virtual Flow Meter



#### COMBO RTPO + VFM



8/19/2021

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#### COMBO RTPO & VFM



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# Summary

Offline optimization; intense workflow with mediocre results

Real Time optimization; automates workflow with improved results

Optimization weak spot; well tests

Virtual flow meter; ongoing gas lift curves

Hybrid solution; valuable for gas lift

8/19/2021



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