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## **EXPANDING ON THE MAP - 760 HCG COMPRESSORS IN FIELD!**

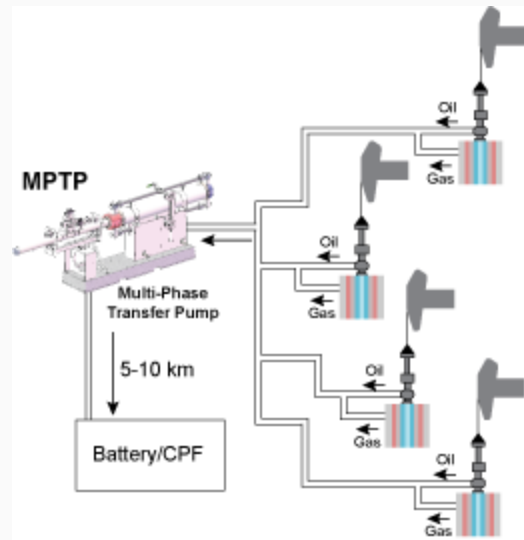
Our HCG product line is gaining interest overseas in Eurasia, Africa, Australia and South America. Recently we have delivered multiple 50hp HCGs to the Middle East and Colombia for initial testing. April showers also brought 2 - 15hp HCG Electric test trailers to sunny California!

## **NEW PRODUCT - Multiphase Transfer Pump (MPTP)**

Shortly, we will be sending the first of many Multiphase Transfer Pumps (MPTP) to the field. The MPTP was specifically designed for use at a satellite or header where production from multiple wells is collected. The MPTP is less expensive than individual compressors on each well, also has more throughput with less peak power and service cost than the 50hp HCGs now in this service!

Starting in early 2019 we ran three CHC1050's (50hp Hydraulic Casing Gas compressors) as multiphase transfer pumps. At each site, the full emulsion flow from several wells was directed through the HCG, reducing the backpressure on the wells and improving production. We learned a lot from these three HCG units in multiphase service:

- The HCG is capable of processing liquid fractions from 0% - 100%
- While it can pump high viscosity oil, it was not designed for this purpose and is best at light oil/water
- The original sealing system was not well suited to resisting contamination from solids entrained in oil, leading to frequent overhauls
- Seals ruined by solids are expensive and time consuming to replace



Taking the experience and lessons learned from operating the HCG in multiphase service, we developed a fit-for-purpose Multiphase Transfer Pump capable of handling:

- Crude oils of different API gravities and viscosities
- Entrained particles carried by crude oil
- Emulsions of oil / condensate, water and gas
- A broad operating range better able to accommodate changing liquid rates

The MPTP has the following features that make it superior to the HCG in multiphase service:

- Higher capacity
- Lower peak operating power
- Can overhaul in field without special equipment or tools
- Improved seal system - more robust and quickly field replaceable

The MPTP eliminates the need for separate pumps, compressors, separators, flares and process control systems at satellites. It can replace aging and maintenance intensive field infrastructure, reducing field OPEX.

### Typical Application

- 40 psi inlet

- 240 psi discharge
- 5.8 e<sup>3</sup>m<sup>3</sup> gas
- 225 m<sup>3</sup>/day liquids (oil/water emulsion)

Product information to be posted on our [website](#) shortly

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## **SERVICE**

### **Clarence McConell Retirement**

After 13 years with the Compact looking after Central Alberta service and nearly 40 years in the field, Clarence has retired to the farm and his Belarus tractor. We wish him many relaxing years ahead! Service for Central Alberta will now be dispatched through our Calgary office.

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