

Application Story – Oil and Gas in Canada



PETROBANK

STRENGTH IN OUR RESOURCES

The THAI® Process

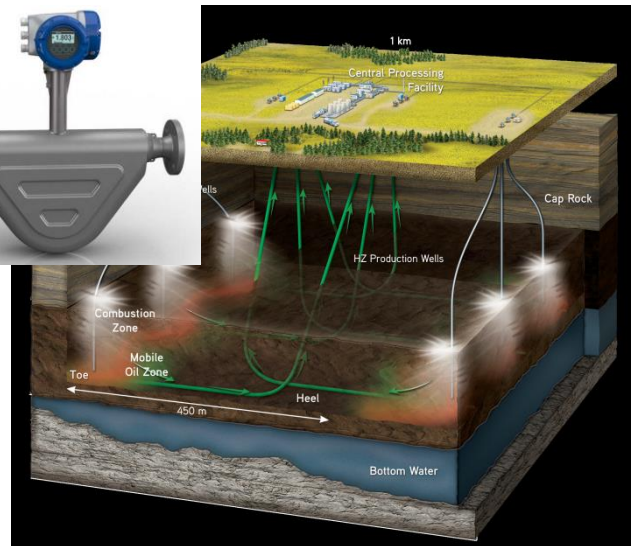
Petrobank's patented THAI® technology is an in-situ combustion process that has created a paradigm shift in extraction of heavy oil and bitumen.

Petrobank is an innovative Canadian based energy and technology company. The Company's structure consists of our Heavy Oil Business Unit, which owns significant heavy oil resources that are being developed using our patented THAI® technology.

Oil Well Production in Toe to Heel Air Injection (THAI®) Process

Process details

Medium: Oil / Water Emulsion
 Flow rate: 1024 kg/m³
 Temperature: 36°C
 Pressure: 3500 kPag
 Density: 1024 kg/m³
 Viscosity: up to 40000 cP
 Solids: 2% (Sand)
 Entrained Air: 85%
 Output: 4-20 mAdc and pulse



Optimass 6000- 1.5 inch ANSI 300

The customer chose KROHNE because the large amount of entrained gas contained in process was creating inaccurate measurements with all competitors' meters. Attached is a testimonial letter from customer advising that the Krohne Optimass 6400 outperformed all others.

For additional information, please contact
KROHNE Inc., Peabody, MA (USA)
info@krohne.com



March 19, 2014

Nick Powell
Technical Sales Representative
GS Hitech Controls Inc.
6173 – 6th Street S.E.
Calgary, AB T2H 1L9

Dear Nick,

RE: Petrobank, Kerrobert THAI project Optimass 6400 performance

We are very pleased with the performance of Krohne "Optimass 6400" coriolis mass flow meter we purchased from you recently. In a very difficult application of heavy oil flow with up to 90% of entrained/free gas (by volume) Krohne meter outperformed all competitors we tried before. The much more accurate rates provided by your meter truly helped us to improve overall well control which is very important in THAI process we use.

Sincerely yours,

Konstantin Starkov
Production Engineer
Petrobank Energy and Resources Ltd.

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