



EXPRO

WELL FLOW MANAGEMENT™

/ Expro Excellence Production

Expro provide gas-to-power Early Production Facility (EPF) in Cameroon



Objectives

- To design, operate and maintain a gas plant production facility for Victoria Oil & Gas' (VOG) Logbaba field development
- Expro has developed the gas plant to deliver fuel gas to Bassa Power Station in Douala providing 20 MW of power to Cameroon's national grid, with a second power station expected to come online to provide 30 MW

Expro Excellence

- Expro provided well test services and while Gaz de Cameroon (GDC) awaited their production licence Expro were able to support production with minimal equipment – by 2011 Expro were able to respond to upgrade requests
- A gas plant was provided by Expro on a lease, operate and maintain basis,

designed to provide suitably conditioned gas for local electricity power generation and condensate as a marketable by-product, and later sold to GDC whilst operated and maintained by Expro

Value to client

- Expro were able to begin support with a well test package, which then gradually upgraded the facility avoiding extensive upfront capex costs
- The gas fuelled power stations address a shortage in the country's electricity supply due to a strong increase in demand, combined with a lack of reserve – critical to Cameroon's infrastructure needs
- GDC and VOC can provide ENEO, Cameroon's National Energy Utility Company, with continuous uptime for fuel gas delivery

- Fluids from two completed wells flow through a cyclonic sand filter – the inlet flow line consists of 200m of 4" pipe work
- The outlet quality of the gas is 0.1 USG liquid per MMSCF gas and liquid droplets over 30 microns removed with 100% efficiency – the internals allow turn down from 20 MMSCFD to 1 MMSCFD while still maintaining carryover specification
- Dewpoint is controlled by maintaining the temperature and pressure in the separator via automatic control loops which work with a fixed set point
- The facility also has an odorant injection package, including odorant storage tank with 60 gallon storage capacity for direct injection to the sales gas prior to export in the sales gas pipeline
- A flare system is provided for the safe disposal of gas from emergency relief scenarios and de-pressuring for maintenance



The Head of State His Excellency Paul BIYA inaugurate the gas production facility

Contact

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