

Fluid & Nitrogen Pumping

Our qualified team provides our clients with a diverse group of pumping services & top-class pumping stimulation services. We're equipped with years of experience, custom-designed equipment, & tried-and-true products.

Fluid Pumping

- ✔ Pump Down Support
- ✔ Diagnostic Fracture Injection Testing (DFIT)
- ✔ Step Rate Injection Testing (SRIT)
- ✔ Acid pumping

Pump Down Support

Our pump down spread units are the only high pressure / high volume units with simultaneous backside support on the market, providing the horsepower of a frac pump (2500 HHP) & the precision of a low-volume pressure truck with our LVHP jet pump.

Pump down spread specifications:

- ✔ Rates redundant up to 1.5m³/min at 70 mPa
- ✔ As low as 0.25l/min at 103 mPa
- ✔ Complete sling restraint systems
- ✔ 2" & 3" 1502 Integral 15,000 Psi iron
- ✔ On-the-fly chemical systems with heated trailer
- ✔ Live link data watching capability (Cell service Required)



- ✔ Fully integrated data acquisition system
 - Instantaneous value recording & graphing
 - Coriolis style flow meters accurate down to 5 ml
 - Real-time data streaming – remote well monitoring
 - Full redundancy to eliminate data failures
- ✔ On board, traceable chemical injection system
 - Coriolis metered, operator controlled
 - Allows for accurate placement of treatment chemicals
 - Heated support unit contains full array of gels, friction, reducers & methanol
 - Suction piping injection & batch mixing capabilities
- ✔ Fully redundant suction piping
 - Eliminates down time due to failures
 - Designed with gear pump inline to allow for easy fluid
 - Transfer & removal of treating iron under vacuum
 - Eliminates third party charges
 - Dot compliant chemical delivery

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CALGARY SALES OFFICE: SUITE 3300 605 – 5TH AVE SW T2P 3H5 T 403.264.3010 F 403.693.0093

BOREAL

Pumping

Fluid Pumpers

- ❖ 600 Total horsepower output
 - (1) Cummins ISX 600 power supply rated 600 bhp
- ❖ 600 Total hydraulic horsepower output from 2 pumps
 - (1) Gardner Denver 10 & 15k (103 mpa) pump 50 hhp
 - (1) SPM TWS 600 10 & 15k (103 mpa) triplex pump rated at 600 hhp with 550 bhp input
- ❖ 8 m³ Dual Compartment Spec Tank
 - Dot compliant chemical delivery



Nitrogen Pumpers

- ❖ 600 Total Horsepower Output
 - (1) Cummins ISX 600 power supply rated 600 bhp
- ❖ 250 Total hydraulic horsepower output
 - (1) Nov NP-200 10k (69 mpa) triplex pump rated at 250 hhp with 250 bhp input
- ❖ Fully integrated data acquisition system
 - Instantaneous value recording & graphing
 - Real-time data streaming — remote well monitoring
 - Full redundancy to eliminate data failures
 - Flameless glycol heat recovery system
 - 7500 scm cryogenic spec tank

Delivery. Well Ahead.™



Acid Pumpers

- ❖ Equipped with an 8 m³ fiberglass tank (5 m³ + 3 m³ compartment)
- ❖ Capable of pumping 0.15 -1100 liters per minute at up to 15,000 Psi
- ❖ Capable of legally hauling up to 1 m³ of acid
- ❖ Control cabin allows for monitoring of engine diagnostics, fluid rates & pressures by providing PDF & CSV reporting to our clients
- ❖ Equipped with a low-volume-high-pressure jet pump, capable of producing rates as low as 0.15l/min at 15,000 Psi



- ❖ Fully integrated data acquisition system
 - Instantaneous value recording & graphing

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