

## Expro Excellence

# Expro's wireline deployed propellant treatment increases injection rate by 450%

## Well Intervention



### Customer challenge

- The customer was experiencing non-satisfactory water injectivity in one of their injectors, which still did not improve after their acid treatment completion. Expro was contacted by Glacier Oil and Gas to find out more about our propellant treatment with the aim of reducing the near wellbore skin damage, increasing the injection rate and to reduce the surface injection pressure
- Glacier Oil and Gas had a previous knowledge of Expro after providing them with Production Logging Tools and Neutron logging
- The decrease in water injectivity in most of the customer's injectors caused them to incur higher costs and a loss in production

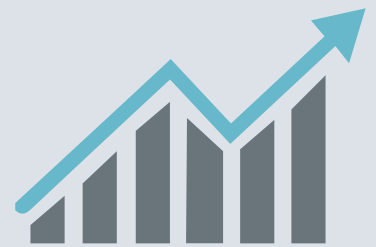
### Value to the client

- After the propellant treatment was carried out, the injection rate was immediately increased from 200 bbl/d to 1100 bbl/d, an increase of 450%
- The customer was impressed with our successful operation and they proceeded to award Expro the opportunity to perform propellant treatments on five other injectors in the same field
- Due to the success of this project, Expro's Well Intervention product line was awarded additional work in Production Logging Tools (PLT) and perforations in other wells
- Our customer was impressed with both our engineering support and the good teamwork from our field operations

### Expro Excellence

- Instead of running in hole to perform the propellant treatment, Expro recommended propellant modelling for each targeted interval by Expro's North American engineering group
- The purpose for modelling by the NA Engineering Group (Center of Excellence) is to identify the most efficient propellant treatment for each interval and also ensure there is no failure/damage to the downhole assemble and well completion. The key differentiator is Expro can assure a safe operation and a maximum return to the client
- Expro provided the customer with modelling reports detailing how much the skin damage could be reduced with the created new fracture, how much shock wave would be created, how much the tool movement would be prior to and post the propellant treatment
- The deployment method was on Electric Line (EL). One of the key objectives of the intervention campaign was to aggregate the benefits and risks in terms of the amount of propellant used per run, the risks involved in deploying these type of stimulation treatments and delivering the best result for our customer. Subsequently, we advised the customer to reduce the amount of propellant used per run to meet this objective

### Increased productivity



### Cost saving



### Contact

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