

## Over Pressured Fracture Operation Results in Spill Non-Injury Incident

SAFETY ALERT

ISSUE #: 04-2012

### Enform: Your Partner in Safety

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### An Industry Product

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### Details

Release Date: April 2012  
Incidence Type: Non Injury Incident  
Country and Region: Alberta, Canada

For more information on this event, please contact: [safety@enform.ca](mailto:safety@enform.ca)

### Description of Incident:

A company was conducting fracturing operations.

- The well was being fracture stimulated with sand, using fracture oil and nitrogen, to place the sand into the reservoir.
- The fracture caused a pressure build up at an offset well resulting in reservoir fluid (light sweet crude oil), fracture oil, nitrogen and sand escaping onto the lease with some of the fluid flowing into an adjacent field.

### What Caused It:

The pressure related to hydraulic fracturing and proximity between the wells, resulted in formation breakthrough and a spill.

### The Root Cause

- Well proximity (Interwell Communication)

### Corrective/ Preventive Actions:

As a result of the incident, the company has changed their internal policy.

- It is believed that the fracturing model is an indication of length and will use this information as a guideline only.
- A safety factor will be applied to the model to reduce the potential for communication between wells.

By industry, for industry