

PARTNERING WITH OUR COMMUNITY

# OUR COMMITMENT TO RESPONSIBLE RESOURCE DEVELOPMENT

The Lochend Industry Producers Group comprises four reputable companies that have a proven track record and are committed to integrity, safe and fair practices, partnering with the community for responsible water management.

[www.lipg.ca](http://www.lipg.ca)


lochend industry producers group






Please contact us if you have any questions.

**403.801.8028**e-mail: [info@lipg.ca](mailto:info@lipg.ca)

## WATER SENSE

IN RESPONSE TO OUR COMMUNITY SURVEY, YOU ASKED FOR...  
**More FACTS** about water protection

We are committed to protecting fresh water sources and we want to assure residents that our activity will not affect their water wells. Though not required by government regulation, we offer water well tests within 400 metres of our drilling activity. The practice establishes a comparison to water quality standards and is voluntary and free of charge. Numerous protective measures are in place to protect surface water (rivers, lakes and wetlands), including establishment of lease perimeter berms for run-off control and secondary containment of storage tanks.

"There has **not** been **A SINGLE** documented case of water well contamination **resulting** from hydraulic fracturing operations in Alberta."  
*Alberta Energy Regulator (AER)*



### DID YOU **know...**

The oil production **zone** in the Lochend area is located more than **2 kilometres** beneath fresh water aquifers. **IMPERMEABLE LAYERS** of **rock** lie **between** the production zone and the surface, **preventing** migration of fluids.

Fresh water supplies are **protected** by a double layer of **STEEL** and **CEMENT** casing that surrounds well bores. While provincial **regulations** call for **protective** surface **casing** to be **set** to a depth of 265 metres, in most wells the casing **EXTENDS** to **600 metres**. The average water well in Lochend is about 45 metres.

In 2012, Rick Deans, senior manager of infrastructure for the Town of Cochrane, estimated that only 3% of Cochrane's total treated water supply was directed to **bulk water sales** including the oil and gas industry. Of that amount, ... "We estimate **ONE PER CENT** of the bulk water sales goes to non-domestic use," said Deans. (*Cochrane Eagle*, August 22, 2012.)

Much of the **water** used for oil and gas activities in Lochend is sourced from **local dugouts, ditches** and **gravel pits**. On several occasions, LIPG member companies have **ASSISTED COMMUNITIES** by pumping off **excess surface water** that has threatened flooding of nearby homes.

When possible, the oil and gas industry **recycles** and **reuses water** from completions **ACTIVITIES**, and continues to **work with** government and the public to **develop** additional **best practices**. Recovered water can be **RECYCLED UP TO FOUR TIMES**.