



This Month:

Non-Routine Disposal Well Selection

Keeping ahead of the ERCB regulation changes for class Ia disposal wells

MetroPetro

Foreign investors show no fear

Industry News

Another look at oil prices versus common consumer products

Staff Spotlight

World traveler returns to reservoir engineering

Granger Low & Maria Tjoa

Class Ia wells, compared to their more common Class III injection well compatriots, must be approached with a higher level of care and scrutiny. Due to the highly toxic nature of the injection material, extra care must be taken to meet ERCB requirements and prevent formation cross-contamination.

Class Ia wells are used to dispose toxic oil field and industrial wastes such as land fill leachate and photo finishing fluid whereas Class III wells are used to dispose produced water or brine. However, due to the toxic nature of the injectant and other complications, ERCB requirements for Class Ia wells are much stricter.

Proven estimates the most likely maximum injection rate in Class Ia wells using a combination of mapping, test results, log analyses, and performance review studies. Such methods also help determine well capacity and lifespan.



“Extra care must be taken to meet ERCB requirements”

Due to the risk involved with class Ia wells, cross-section, structure, and net pay maps are vital tools in assessing potential cross-contamination with nearby water sources and disposal wells.

Another important consideration is the requirement that the entire groundwater zone must be covered by surface casing. This eliminates many candidates for Class I disposal.

Despite the difficulties involved with class Ia wells, Proven Reserves’ experience and expertise ensures adherence to all ERCB regulations while simultaneously finding and adding value to injection well projects.

The Price of Tea in China

About three years ago we did a piece about the cost of oil vs. the cost of other common

items per litre. This month, we’d like to revisit that with current prices.

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Price Comparison

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Product	Price/Litre
2% Milk	\$1.02
Dasani® Bottled Water	\$1.69
Tropicana® Orange Juice	\$1.79
Palmolive® Dish Detergent	\$2.72
Mr. Clean™ Multipurpose Cleaner	\$4.74
Breyers® Vanilla Ice-cream	\$3.50
Downy® Fabric Softener	\$2.66
Chocolate Nestle® Nes-quick®	\$7.13
Kikkoman Soy Sauce	\$6.41
Old el Paso® Salsa	\$6.14
Pantene® Shampoo	\$14.48
Bertolli Olive Oil	\$12.59
Red Bull®	\$9.49
Human Plasma	\$19,500.00
Crude Oil (\$132.34/bbl)	\$0.83



Company News

World-Traveling EIT Starts with Proven

Proven Reserves is pleased to announce the appointment of Sue-Rose Slade as a new Engineer in Training.

Sue-Rose recently graduated with a Bachelor of Science from the University of Calgary's chemical engineering program, during which she worked in petrophysics doing image log processing and interpretation.



Born and raised in Calgary, Sue-Rose enjoys playing soccer and hockey, and avidly supports the Flames.

She also enjoys travel, and recently returned from a 7 month trip around

Europe and South Africa.

While at Proven Reserves, Sue-Rose says she wants to work towards obtaining her "P.Eng status with diverse engineering experiences."

Welcome, Sue-Rose!

Upcoming Events

CWLS Technical Luncheon

The Future of Rock Physics

Jun. 11, 2008

Calgary, Alberta

www.cwls.org

CIPC/SPE GTS 2008 Joint Conference

Jun. 17-19, 2008

Calgary, Alberta

www.spe.org

APEGGA Branch Event

Legends in Engineering & Geoscience

Jun. 19, 2008

Calgary, Alberta

www.apegga.org

