

All data is sorted into easily recognizable search fields so you can quickly make sense of the information

Completion Summary (FK)

Tools Customize Source: GWW

Location	Formation	Total Stages	Category Isolation	Isolation Technology	Cum Oil (m ³)	Category Fluid	Frac Fluid
100/01-02-044-05W5/0	Cardium	19	Open Hole Packers	Tryton Open Hole Packers	1450		
100/03-25-046-07W5/0	Cardium	8	Open Hole Packers	Weatherford ARES Open Hole Packers	4816		
100/03-26-038-08W5/0	Cardium	8	Open Hole Swellable Packers	Halliburton Swell Packers	3169		
100/04-17-048-05W5/0	Cardium	18	Open Hole Packers	Weatherford Open Hole Packers	4406		
100/04-22-066-08W6/0	Cardium	11	Abrasajet	Abrasajet	354		
100/04-24-045-06W5/0	Cardium	17	Open Hole Packers	Baker FracPoint	3380		
100/04-26-046-09W5/0	Cardium	15	Open Hole Packers	Tryton Open Hole Packers	3239		
100/05-04-048-03W5/0	Cardium	18	Open Hole Packers	Weatherford Open Hole Packers	2084		
100/05-17-055-24W5/0	Cardium	5	Perf and Plug	Plug and Perf	0.0		
100/05-21-059-22W5/0	Cardium	5	Open Hole Packers	Weatherford Open Hole Packers	1161		
100/05-23-043-09W5/0	Cardium	13	Open Hole Packers	Tryton Open Hole Packers	972		
100/05-26-048-11W5/2	Cardium	9	Abrasajet	Mongoose	5880		
100/05-29-048-05W5/0	Cardium	16	Open Hole Packers	Weatherford Open Hole Packers	3961		
100/05-32-045-06W5/0	Cardium	16	Open Hole Packers	Weatherford Open Hole Packers	2550		
100/05-33-034-04W5/0	Cardium	6	Open Hole Packers	Packers Plus Double Grip Open Hole Packe...	8841		
100/06-10-067-08W6/0	Cardium	10	Abrasajet	Abrasajet	5352		
100/06-22-038-08W5/0	Cardium	10	Open Hole Swellable Packers	Halliburton Swell Packers	4419.8	Gelled Hydrocarbon	Gelled Hydrocarbon
100/07-20-041-07W5/0	Cardium	7	Open Hole Packers	Smith Frac Open Hole Packers	5858.9	Propane	Vantage LPG
100/09-16-048-05W5/0	Cardium	16	Cemented Ball Drop System	Cemented Packers Plus Liner	7636.0	Energized Slickwater	Nitrified SlickWater
100/09-24-046-07W5/0	Cardium	8	Abrasajet	Mongoose	606.4	Foamed VES	Foamed CleanTech

Search Field: Frac Fluid
Contains water
Clear current selection first

Biography

Tim is the Founder of Fracturing Horizontal Well Completions Inc., more commonly known as FracKnowledge. He has a degree from the University of Alberta in Chemical Engineering, majoring in Computer Process Control. Prior to launching FracKnowledge, Tim worked as an employee for industry leading companies in both the E&P and service sectors. He is a member of APEGGA, SPE and CSUR, and is frequently requested to be a presenter, author papers and co-chair or chair conferences.

With 20+ years experience, Tim has a broad range of skills and a unique look on business development.

Being an expert in both conventional and unconventional wells and field development has allowed Tim to create unique information databases and software programs and be recognized as the main inventor on 18 frac patents.

His skills enable him to lead groups of consultants and clients across five continents in optimizing fractures using frac simulators, frac databases, petrophysics and rock mechanic calculations.



Tim Leshchyshyn, P. Eng. President

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FRACIN' RIGHT!

Find the best completions and frac!

Company Profile

FracKnowledge is a team of oil and gas professionals with over 300 collective years of experience. Our primary focus is fracturing, which we support with our industry leading consulting services and comprehensive frac database ensuring superior well optimization, validated by empirical data. This ensures that you are "Fracin' Right!"

We have the largest and fastest growing fracturing and completions database in the Canada and the USA - designed by our senior engineers, each with at least 10 years experience building and using frac databases. By linking continually updated fracturing data with actual well production, we can endorse the best designs and often share this knowledge in SPE

papers and industry presentations.

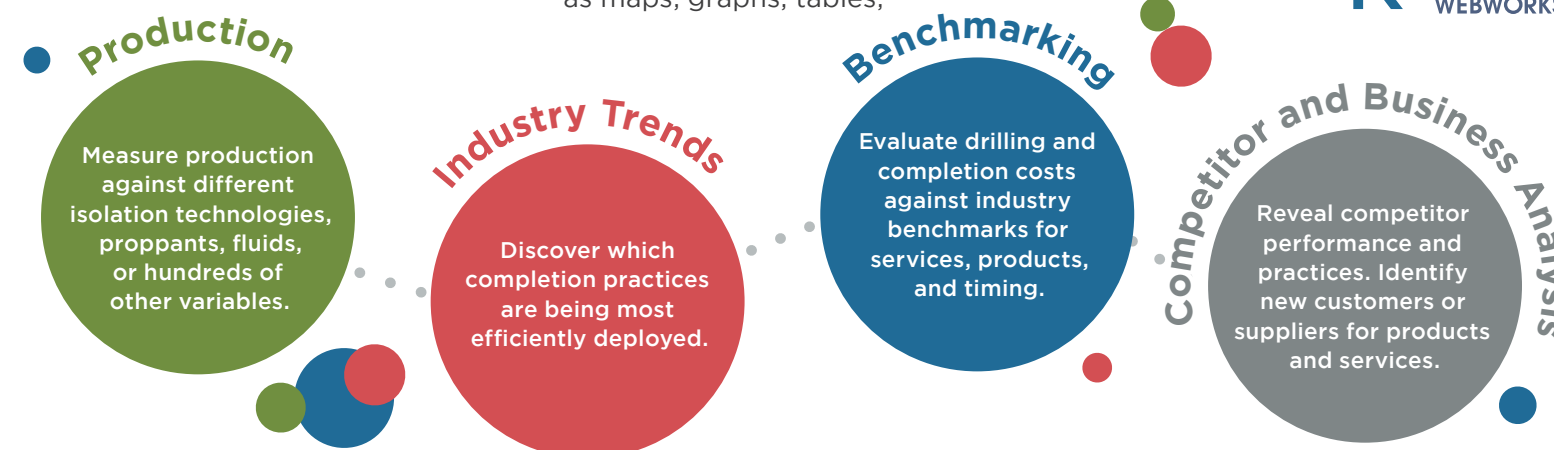
We have worked extensively in Canada and USA, as well as Australia, Mexico, South America and Europe. Our consulting services are in demand worldwide because we offer solutions including:

- frac modeling and horizontal well optimization
- on-site and/or satellite frac supervision of field operations
- petrophysical analysis of logs
- calibrated rock mechanics
- economic evaluations

Our superior web based user interface, including GIS, allows anyone to visualize the information as maps, graphs, tables,

and/or reports. Powered by Geo Webworks, our subscription based software allows you to easily gather relevant data and knowledge, so you can compare competing frac theories based on production success and therefore make the best choice for your wells.

Our clients use these solutions to increase production, mitigate risk, decrease expenses, and identify new suppliers/clients for their products and services. We provide independent review and supervision from the start to the end of any project.



Increase Production and Decrease Risk

Frac Database & Analysis Software

FracKnowledge is an adaptable, multi-functional solution for all stages of oil and gas extraction. Our unique map based interface is easy to use and customize. You can select wells on the map, search using a variety of criteria, or even upload your own well lists. You will be rewarded with tables, reports, and graphs – many of which you can customize yourself. If the desired output does not exist, our software development team can often create solutions or reveal data from our internal server to satisfy your specific needs.

We have the most comprehensive completions and fracturing

database available in North America, and since it is tied to production data you can determine what factors positively or negatively affect each well.

By revealing dominant design factors and theories from past fracs, you can develop strategies to take to your current wells, thereby shortening the learning curve, decreasing costs and maximizing production. To ensure efficiency, we collect hundreds of data points per well, such as fluid and proppant type and amount, down hole tool technology, stage counts and spacing, pressures, rates, costs, etc., and all source documents are stored online.

Our customizable reporting and powerful analysis tools support confident decision-making. You can cross plot production charts with multiple variables, or simply use the automated reports, which will compile sets of charts and graphs representing key data for the area of interest.

With this much information at your fingertips, you have access to knowledge, not just data.

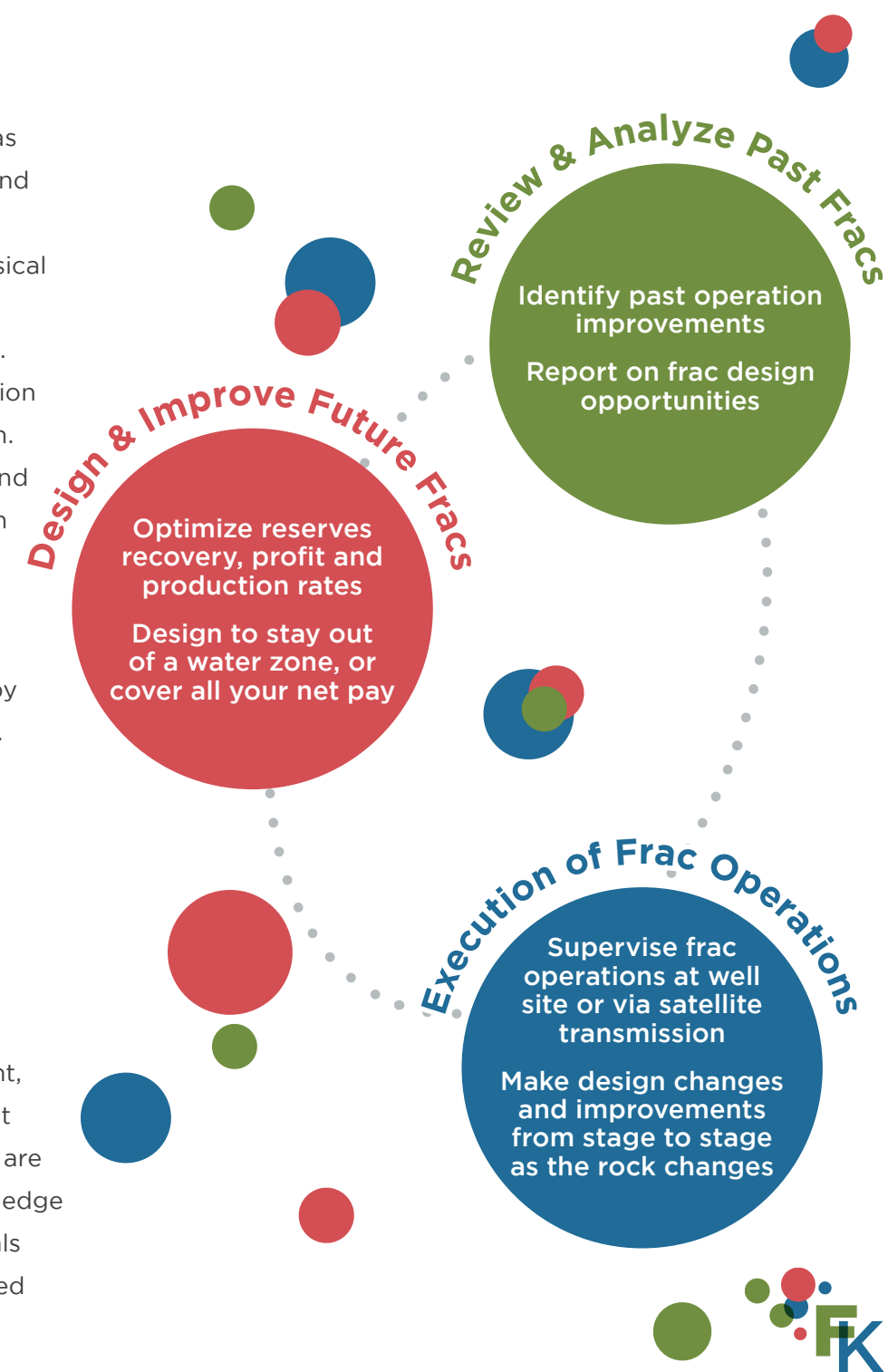


Consulting Services for Every Stage

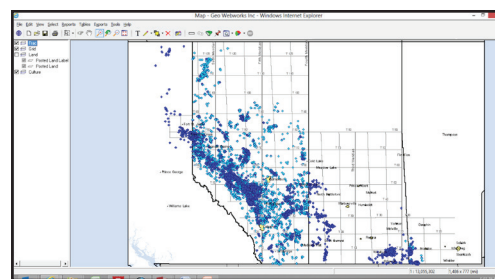
We have worked in 12 countries on five continents extensively on unconventional wells as well as conventional ones. We continually work on oil, gas, liquids rich gas reservoirs in shale, coal, tight sandstone and carbonate lithologies. We use three of the four major frac models, provide petrophysical rock mechanics, and use minifrac/DFIT analysis to calibrate those rock properties. Our unique ability to supervise the execution of fracs separates us from the competition. We can review past fracs for operations and design opportunities to make optimization and efficiency recommendations. Both can be done in-person at the job site or via satellite link which ensures accurate stage-to-stage design adjustments thereby reducing costs and increasing production.

On average, fracturing costs are 70% of the total completion. Fracturing and completions are the largest factors that affect production optimization, cost control and operations execution.

It has been proven that the world needs fracturing experience...tools can be bought, chemicals can be procured and equipment can be imported, but experienced people are rare and yet crucial to success. FracKnowledge is a team of skilled oil and gas professionals with 300+ man years of experience focused on well stimulation. Reach out and see how we can help with your next project.

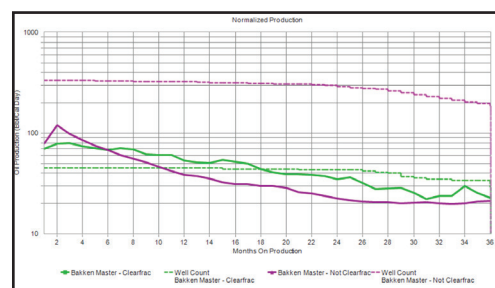
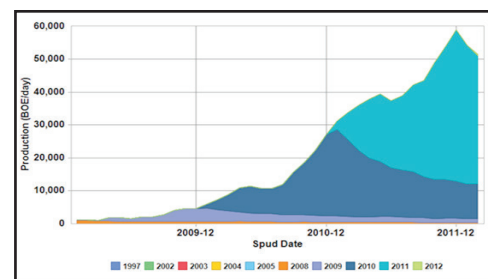


Customizable maps, charts & reports



Map visualization and well selection

Auto-reports: stacked graphs, bar charts, pie charts



Normalized production graphs

Cross plot any variable to any other three variables

