



Sanjel Energy Services
Media Kit



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ABOUT SANJEL ENERGY SERVICES

a. History, Mission & Vision

Sanjel Energy Services (Sanjel Energy) is an industry leading provider of cementing and acidizing solutions to the energy industry in Canada. The Company supplies customers with primary and secondary solutions for new well drilling, abandonment, well integrity, gas migration, stimulation and miscellaneous pump requirements. Sanjel Energy also provides non-oil and gas cementing services and grouting for pipelines, mines and other industrial services.

Headquartered in Calgary, Alberta, Sanjel Energy has 13 locations across Western Canada, servicing producers across the Western Canadian Sedimentary Basin. Sanjel Energy is committed to providing the highest level of service – a commitment that runs throughout the entire organization, from the boardroom to the well site.

Mission: Led by a culture created through Pride by Performance, “Our Company” will build on past learnings with focus on our guiding principles of: Service, Excellence, Integrity, and Teamwork.

Vision: To be Canada’s premier energy services company.

Sanjel Energy Services is an ARC Financial sponsored company, having received equity capital from ARC Energy Fund 8, a \$1.55-billion-dollar private equity fund.

b. Sustainability Commitment

Sanjel Energy’s Environment, Social and Governance (ESG) objectives demonstrate the Company’s commitment to a sustainable, community-focused future.

Environment

- At Sanjel Energy, we strive to perform all activities with an approach that manages risk and protects the people, environment, and assets related to our work.
- Sanjel Energy believes sound environmental and social performance and governance practices are critical aspects of corporate citizenship and to our role as a respected member of the communities in which we operate.
- We are focused on reducing our footprint onsite and generating new technology that will enhance well integrity. We continually work to reduce our impact on the environment through proactive reduction of emission discharges, recycling programs, and engineered solutions.

Social

- Sanjel Energy believes it is important to be a strong corporate citizen and a respected member of the communities where we operate. We are committed to providing support and enhanced opportunity through donations, sponsorship, and volunteering, with a focus on four core areas:
 - Youth Development, specifically team activity
 - Community Development
 - Fighting Cancer
 - Support for Marginalized Groups



- Our employees are the foundation of our success and the driving force behind our vision to be Canada's premier energy services company. We support our people by implementing career development opportunities, providing incentives for success and fostering an inclusive culture.

Governance

- Sanjel Energy's reputation as a dedicated, innovative industry leader is due to the commitment of our employees throughout the entire organization, from our operators in the field to those in the boardroom. More than 35 per cent of our employees have been with the Company since its inception.
- Sanjel Energy policies and procedures provide a framework for conducting our business in a highly ethical manner wherever we operate. We are committed to conducting ourselves with integrity and professionalism in everything we do, as embodied by our motto, "Pride by Performance".
- Sanjel Energy's Board of Directors and Leadership Team consider good governance to be an important factor in the effective operation of the Company.
- Safety is our number one priority. It is a commitment that is embraced throughout our entire organization, from our operators in the field to our decision makers in the boardroom. Every Sanjel Energy employee is empowered to be a steward for safety at work, at home and in the community.
- Sanjel Energy's commitment to providing the highest level of service runs throughout the entire organization, from boardroom to the well site.

c. Diversity and Inclusion

Sanjel Energy is committed to strengthening diversity and inclusion within the Company, ensuring that these efforts are embedded in our culture. Our aim is to create a workplace that is respectful and inclusive, promotes diversity, and is free from bullying, harassment, discrimination, and violence.

We are committed to fostering an inclusive workforce that offers equal employment and training opportunities. Sanjel Energy is always looking for candidates with creative mindsets who can help us strengthen the services we provide to our clients and optimize how we do what we do.

Sanjel Energy is an equal opportunity employer and does not discriminate against any employee or job applicant because of race, colour, religion, national origin, sex, physical or mental disability, or age.



Murray Bickley

Murray Bickley is President and Chief Executive Officer at Sanjel Energy Services. Murray has over 28 years of experience in the energy services industry in Canadian and International markets and has held several senior leadership roles in operations, sales and strategic marketing over the course of his career, including senior positions with one of the largest energy services firms in the world.

Murray joined Sanjel Energy in 2015 and was appointed as the company's president in 2017. He has led the Company through strategic initiatives, including Sanjel Energy's remediation line. In 2020, Murray also became CEO of Sanjel Energy, overseeing the company's overall growth strategy.



SANJEL ENERGY OPERATIONS

Cementing

As Canada's premier supplier of cementing services to oil and gas producers, Sanjel Energy Services provides primary and remedial cementing solutions throughout the country.

Outside of oil and gas well cementing, Sanjel Energy also provides a diverse range of companies with other cementing requirements for pipelines, helium wells, geothermal wells, mines, potash, and disposal wells, among others.

Primary Cementing

Since Sanjel Energy's inception in 2016, primary cementing has been the foundation of the business. Across Canada, Sanjel Energy delivers fit for purpose, sophisticated primary cementing solutions for unique well requirements. From shallow gas projects, thermal cementing and extended reach horizontal wells, to hot, high pressure, sour and critical wells, Sanjel Energy delivers innovative solutions focused results.

Sanjel Energy has a wide range of cementing solutions designed to meet the unique demands of wells including:

- Horizontal wells
- Shale wells
- Extended laterals
- Gas migration prevention
- Lightweight cement
- Heavyweight cement
- Lost circulation
- Plug cementing
- Salt cementing
- Emerging Industries: Helium, Hydrogen, Geothermal

In March 2020, Sanjel Energy announced it had [entered into a technology licensing agreement](#) with Schlumberger. This agreement provides Sanjel Energy the exclusive rights to select Schlumberger cementing technologies in Canada onshore.

Remedial Cementing

Sanjel Energy's Remedial and Abandonment business line is led by an industry-leading team of operational and technical specialists, supported by crews with extensive experience working in Western Canada. This service line provides progressive, customizable solutions for remedial, abandonment, stimulation and miscellaneous pumping needs.

Sanjel Energy's dedicated assets and experienced remedial crews are focused solely on remedial and abandonment projects. They are ideally located in key strategic areas with the flexibility to travel any distance to service customer needs.

In addition to oilfield remedial and abandonment projects, Sanjel Energy's Remedial and Abandonment team also completes other industrial remedial projects such as, pipeline grouting, pigging and abandonments, as well as mining and potash operations.



Acidizing & Stimulation

Sanjel Energy's dynamic team of experienced operations personnel deliver unparalleled customized solutions in:

- Matrix Acidizing, Breakdown or Acid Spearheads
 - Includes iron control packages, corrosion inhibitors, anti-sludge agents, demulsifiers, and surfactants
- Solvent treatments
 - To reduce damage caused by the build-up of wax, paraffins and asphaltenes
- Gravel packing
- Water conformance
- Miscellaneous pumping operations

Products

Sanjel Energy has a diverse and comprehensive line of products to deliver long-term well integrity for any type of cementing application in the Western Canadian Sedimentary Basin.

Using sophisticated laboratory equipment, Sanjel Energy tests our innovative and solution focused cements under downhole conditions to ensure optimal performance.

Equipment

As a market leader in the Canadian oil and gas services industry, Sanjel Energy custom engineers, designs and manufactures its own equipment to exceed industry standards and expectations. All Sanjel Energy pumping equipment is outfitted with a real-time in-vehicle monitoring tool and GPS technology to observe safety performance and driving habits.

With a commitment to continually improve reliability and capability, Sanjel Energy's engineers work with clients, co-workers, industry partners and academic associations to develop innovative and solutions-focused advancements for its equipment.

The renowned Sanjel Energy Cyclonic Mixer, engineered and built in-house, is just one example of how innovation allows the company to deliver effective targeted solutions. It can calculate non-nuclear density measurements for both the process control loop and the downhole fluid line, ensuring accurate readings for slurry density, rate, temperature and volume. This real-time data helps ensure the best possible downhole slurry is being pumped as per design in customer wells.

LOCATIONS

Headquartered in Calgary, Alberta, Sanjel Energy Services has 13 district locations across the Western Canadian Sedimentary Basin, a satellite location in Norman Wells, Northwest Territories, and laboratories in Calgary and Grande Prairie.



CASE STUDIES

Montney

Challenges

Due to the geological makeup of the Montney Formation and corresponding shallower formations, wells in the Montney are prone to Surface Casing Vent Flows (SCVFs) — gas leaking and migrating to surface. This is especially true in the liquids-rich, high pressured window in British Columbia, where the presence of a significant proportion of natural gas liquids and oil can result in improved economics. The high pressures that exist in this window can also result in more SCVFs requiring repairs as severe leaks need immediate attention, and all repairs reduce the overall return on investment.

Finding the source of these leaks is difficult and remedial repairs are often costly with poor success rates requiring multiple repair attempts. The leaks are often a result of pressurized formations combined with drilling and cementing issues such as poor standoff, low displacement efficiency or lost circulation.

Solutions

Sanjel Energy Services deploys its proprietary EXPANDOmix PRO in many sections of the Montney to reduce or eliminate vent flows. EXPANDOmix PRO has a short critical interval between acting as a liquid and transmitting hydrostatic pressure on gas producing formations and hydrating to a resulting rigidly-gelled mix which withstands any gas flow through the setting cement.

Results

- Reduced SCVFs by 30 per cent before fracturing operations
- Reduced SCVFs caused by fracturing operations from 8.5 percent to 0 percent
- Experienced exceptional cement returns to surface 100 percent of the time
- Less remedial issues, reduced time and resources resulting in significant cost savings
- Localized success: Over twenty wells with new products and procedures in BC Montney for this specific case study

Duvernay / East Duvernay

Challenges

As the Duvernay Play experiences a steady rise in activity, Sanjel Energy Services continues to improve cement technologies to better align with multi-pad drilling operations. The Duvernay's unconventional shale formations may mean larger annuli requiring higher cement tonnages and spacer volumes. In some areas, a narrow pressure envelope between fracturing gradient and formation pore pressure demands sophisticated cementing solutions and precise control. Additionally, lateral wellbores require exceptional annular isolation for successful fracturing. The upper formations above the Duvernay require attention as well, achieving returns to surface present specific challenges in shallow, unconsolidated formations and some upper zones are prone to gas migration.

Solutions

Sanjel Energy's patent-pending weighted spacer system, VISWEEP DM IS, can be mixed on-the-fly and is ideal for high spacer volumes. Mix on-the-fly also means no batch time and reduced lifting and



chemical hazard exposure. Optimized cement blends tailored to lateral shale wells reduce costs versus traditional tail cements. Flexible low permeability lead cements also reduce the possibility of vent flows originating from shallow formations.

Results

- Consistent returns to surface
- Reduced time on location
- Excellent fracturing initiation and isolation
- Sanjel Energy reduced the cost of production cement operation in East Duvernay by 25 percent