

Nicholas Sanders

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Petroleum engineer with over 14 years of experience in Alaska's Arctic oil fields, specializing in Wireline and Perforating operations. Proven track record in field operations management, production logging, and well diagnostics. Seeking to leverage expertise in daily operations and production within a leading oil company.

Professional Experience

Dent Impact

Anchorage, AK

Drilling Analyst

Sep 2024 - Present

- Remote monitoring of real time data from three drilling rigs on Alaska's North Slope to ensure section plans are being followed and all drilling operations are within designed parameters.
- Identify and record all pressure test, FIT/LOT, pack offs, and trouble events that result from the drilling process.
- Monitor torque and drag parameters, ECD, and directional data to ensure trouble free drilling.
- Pull data from WellView, NOV WellData 4.0, and CORVA system, for analysis.
- Analyze pulled data to determine performance metrics from well to well and rig to rig.

Halliburton Energy Services

Prudhoe Bay, AK

Field Operations Manager

Apr 2024 – Sep 2024

- Managed daily operations for a \$2-\$3 million monthly business, driving profitability through strategic cost management.
- Engaged directly with customers to ensure satisfaction and promptly addressed operational issues.
- Oversaw a workforce of 130-150, prioritizing safety and compliance while ensuring timely service delivery.
- Provided technical support for various operations (cased hole, memory, TCP), enhancing crew efficiency and customer service.
- Served as Radiation Safety Officer, ensuring compliance with safety regulations and leading the radiation safety program.

PEAK Champion

Nov 2023 – Apr 2024

- Successfully transitioned paperwork and equipment utilization records for 12 units to compliance, enhancing operational efficiency and regulatory adherence.
- Assessed and organized over 500 pieces of pressure control equipment to identify field utilization and ensure compliance with regulatory standards.
- Recognized by global management for significant improvements in efficiency and compliance.

Team Lead

Feb 2019 – Apr 2024

- Led multiple crews of engineers and operators in cased hole, Relay, and TCP operations for various customers.
- Collaborated with customer representatives to resolve operational issues and ensure smooth daily field operations.
- Worked with customers to develop effective diagnostic plans for challenging wells.
- Successfully navigated two departments through a primary customer transition during a significant industry downturn.
- Coordinated with management and crews to implement cost-reduction strategies, achieving a 14% FBOI revenue goal set by corporate.

General Field Professional

Feb 2016 – Feb 2019

- Played a key role in launching a new memory logging contract for slickline and coil units, resulting in eight years of consistent work.
- Contributed to the successful initial field trials of a memory perforating system and continued to support the system post-trials.
- Utilized insights from memory perforating field trials with slickline to enhance operations using tubing conveyed perforating on coil drilling rigs.
- Created a new maintenance plan for unsterilized tools.
- Promoted crew safety during a record-setting period of safe operations.

Senior Field Professional

Oct 2013 – Feb 2016

- Participated in 24-hour operations during the startup for a new customer, securing a three-year contract.
- Received intensive training in open hole logging, focusing on safe handling of radioactive materials and open hole log analysis.
- Utilized pulsed neutron tools extensively for leak detection and logging formation for gas identification.
- Successfully operated in remote off-grid locations to meet complex customer requirements.

Field Professional

Aug 2011 – Oct 2013

- Participated in field trials for a new three detector pulsed neutron tool.
- Honed skills in production logging and trouble well diagnostics.
- Led crew to accomplish customer goals with minimal down time and maximum efficiency.
- Served as the primary point of contact for multiple third-party contractors during well operations, ensuring successful project completion.

Associate Field Professional

Jun 2010 – Aug 2011

- Completed intensive field training in cased hole logging, focusing on explosive safety and proper usage.
- Completed comprehensive classroom training for entry-level logging, covering perforating, cement bond logs, production logging, and pipe recovery.

Education

University of Alaska Fairbanks

Fairbanks, AK

Master of Science in Petroleum Engineering

May 2020

- Thesis: [Computational fluid dynamics models of two-phase heavy oil-gas flow in horizontal pipes.](#)
- Relevant Coursework: Advanced reservoir engineering, production engineering, multi-phased flow in pipes, flow assurance, drilling engineering.
- Extensive work with computational fluid dynamics models of inflow performance from reservoirs into wellbores. [Computational fluid dynamics model of oil flow into multi-zone single-string completions](#)
- Skills: Data analysis with Excel, VBA, R, and Python programming languages.
- Member Phi Kappa Phi honor society.

University of Alaska Fairbanks

Fairbanks, AK

Bachelor of Science in Petroleum Engineering

May 2010

- Relevant Coursework: Reservoir, production, and drilling engineering as well as petroleum economics and well log analysis.
- Senior Project: Identification and remediation of inner annulus to outer annulus leaks for wells on Alaska's North Slope in the Prudhoe Bay field.

Sinclair Community College

Dayton, OH

Associate of Applied Science in Computer Information Systems

Dec 2004

Network Engineering

- Trained as Microsoft Certified Systems Engineer for Windows 2000 and XP.
- Trained as Cisco Certified Network Professional.
- Trained as A+ and Network+ computer and network hardware support.

Skills and Credentials

Technical Skills

- Extensive production logging quality assurance, interpretation, and analysis.
- Open hole log analysis.
- Passed FE Exam 2010.

Software Proficiency

- Microsoft office suite with emphasis on Excel and VBA programming.
- Knowledgeable in fluent computation fluid dynamics software.
- Advanced Knowledge of Warrior Logging software.
- Data analysis with R and Python.
- HTML/CSS/JS full stack web design.
- SQL
- GitHub
- Advanced computer troubleshooting.

Credentials

- Transportation Worker Identification Credential (TWIC)
- Class B CDL with air brake, hazmat, and passenger endorsements.
- Cleared by BATFE to handle explosives.
- Cleared by NRC to handle radioactive materials.