

JESSIE L. CHMIELOWSKI

SUMMARY

PE-licensed engineer with 19 years of experience in Alaska and a strong background in regulatory oversight, production and optimization. Three years of field-based experience working with operations on the North Slope. Deep and broad understanding of oil and gas developments in Alaska (light oil, viscous oil, heavy oil and gas). Excellent communication, organizational and co-ordination skills. Proven track record of project delivery. Able to multi-task in a demanding environment against tight schedules.

- Regulatory Oversight
- Project Management
- Well Integrity
- Well Interventions
- Field & Operations Experience
- Optimization

EXPERIENCE

Senior Petroleum Engineer, BLM Alaska State Office

2016-2018

Job Overview: As the senior engineer within BLM Alaska, I oversaw federal onshore oil & gas activities in NPR-A and the Kenai Peninsula. Provided valuable expertise in meetings with operators about upcoming new developments in NPR-A to ensure regulatory compliance and maximum value to the taxpayers.

- **Legacy Wells:** Lead technical expert for the BLM in discussions with contractors and state agencies regarding the Legacy Well Program. Determined technical scope of work, participated in contractor selection, reviewed and approved well plug and abandonment programs, provided oversight of operations and presented results at AOGCC public meetings.
- **NPR-A Exploration & Development:** Main point of contact within BLM for decisions pertaining to ConocoPhillips' new developments in NPR-A. Made recommendations regarding metering schemes, exploration well permits, gas management agreements, production allocation methodology and start-up operations for the first development within the Greater Mooses Tooth unit.
- **Operations:** Provided regulatory oversight of operators on drilling permits, well work sundries, plans of development and continuing development obligations.
- **Agency Relations:** Engaged and built relationships with other state and federal agencies such as AOGCC, DNR, BOEM and USGS to share knowledge and foster collaborative networks.
- **Mentor:** Coached junior petroleum engineers and technicians by sharing knowledge obtained in private industry.

Senior Petroleum Engineer, BP Alaska

2001-2015

Job Overview: I managed complex projects within time and budgetary constraints. Worked in a multi-disciplinary team to optimize oil production, identify well work opportunities and drill development wells.

- **Well Integrity:** As BP Alaska's permafrost subsidence expert, developed and implemented plan to identify high risk wells and perform surveillance across two fields.
- **Drilling:** Worked in a multi-disciplinary team to identify, gain financial approval for and drill several development wells per year. Each well valued at up to \$6 million.
- **Completions:** Experienced in a variety of completion types including: cemented & perforated liner, slotted liner, multilaterals and screens.
- **Regulatory Compliance:** Worked with AOGCC and EPA on laws, regulations and policies.

- **Well Interventions:** Responsible for intervention work worth up to \$2 million per well. Identified technical opportunities and obtained financial approval. Exceeded targets each year and won several company awards for well work efficiency.
- **Project Management:** Delivered projects for a multi-phase meter installation and water injection restart. Special Project Lead and metering liaison for other groups within Greater Prudhoe Bay.
- **Artificial Lift:** Designed and operated wells with Gas Lift, ESP, Jet Pump and PCP artificial lift types.
- **Reservoir Engineering:** Managed voidage replacement ratios in the waterflood and gas cap regions of the field, set well injection targets, forecasted production rates and supported the development and testing of a full field dynamic model.
- **Surveillance:** Maximized production of wells via daily interpretation of reservoir data. Long term field surveillance of reservoir pressure surveys and tracer studies.
- **Scale Management:** Developed a long-term plan and prioritized wells to maximize the oil benefits associated with barium sulfate scale cleanouts and inhibition treatments.
- **Mentor:** Coached junior engineers by sharing best technical practices and providing regular feedback.

Optimization Engineer, BP Alaska, Field-based

2003-2007

Job Overview: I optimized field oil, gas and water production on a daily basis for the Greater Prudhoe Bay Performance Unit (~450 mbd) that included four large fields plus satellites, over 1400 wells, seven gathering and separation facilities and two central gas facilities (>8 BCFD).

- **Trans-Alaska Pipeline (TAPS) Shutdowns:** Coordinated and executed several major planned and unplanned TAPS (~800 mbd) shutdowns which impacted the entire Alaska North Slope. As a result, production was prorated to ~20% of normal rates and the process required frequent communication with management, co-owners and third parties.
- **Maintenance & Turnaround Planning:** Minimized production losses while developing field-wide maintenance schedules and sheltering work opportunities under planned or unplanned shut downs.
- **Communication:** Provided a key coordination role between resource management teams in Anchorage, North Slope operations teams and midstream TAPS operations.
- **Safety:** Responded to several incidents as a member of the Emergency Response Team.

Business Analyst, BP Alaska

2000-2001

Job Overview: I maintained financial models for natural gas project options and coordinated with commercial optimization team to make economic evaluations of proposed schemes in Alaska.

- **Economic Model:** Maintained financial model for project options and coordinated with business optimization team to make economic evaluations of nine proposed schemes.
- **Long-Term Planning:** Produced and collected all of the production and financial data required for the long term business forecasts. Aligned Alaska business forecast with that of corporate headquarters.
- **Utility Contracts:** Researched local utility contracts to prepare BP for negotiations. Attended contract negotiations with Homer Electric and Marathon Gas.
- **Government Interaction:** Presented a brief summary of natural gas activities to local government and private company representatives at the Alaska Clean Fuels Alliance.

Project Engineer, Bayer Corporation

1999-2000

Job Overview: I managed and coordinated all phases of assigned capital projects that improved and/or replaced chemical facilities. Directed engineering activities in development, procurement and construction to ensure compliance with budget and timely completions. Responsible for over \$2 million in capital spending.

- **Safety:** Conducted safety reviews on all projects and monitored safety in the field.
- **Third-Party Interfacing:** Communicated daily with customers, contractors and vendors to create a scope of work that met the project objectives.

EDUCATION

B.S. Chemical Engineering / B.A. Environmental Eng. Sciences; Rice University

Professional Petroleum Engineer, [REDACTED]

TRAINING

First Level Leaders, Preparing to Lead, Women Engineers' Professional Development Conference, Project Management, Petroleum Economics, SPE Modern Well Design, SPE Well Integrity, SPE Plugging & Abandonment, Waterflood Master Class, Gas Lift, PC Pump Design, Acid Stimulation, Cased Hole & Production Logging, Prosper/GAP, Reservoir Appraisal & Development, Instrument Engineering