

**Thomas W. McKay, PE, MBA**  
**Alaska State Legislator**  
**Professional Drilling & Completion Engineer**  
**Drilling & Completion Superintendent**

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**Summary:**

In addition to currently serving as a State Legislator, I have 44 years of diverse drilling, completion, work-over, and well abandonment experience in a variety of harsh and challenging environments, including offshore, frontier, arctic, jungle and sour gas conditions. Most recent direct experience is with Extended Reach Drilling, Managed Pressure Drilling, and Multilateral drilling operations in Cook Inlet, Alaska. Registered Professional Engineer since 1992, also holds advanced MBA and MS Environmental Engineering Degrees. Additionally, am able to fulfill responsibilities in the field as a rig-based Drilling Supervisor.

**Experience:**

**Alaska State House: November 2020 to Present** **Juneau / Anchorage, AK**  
**State Legislator / Alaska House of Representatives / Chairman House Resources**  
**Committee**

- Elected to Alaska State House of Representatives in November 2020; sworn into office January 19, 2021. Member of House Resources and Transportation Standing Committees. Also member of Education, Community & Regional Affairs, Energy, and Way and Means Committees. Represent southwest Anchorage precincts including the Bayshore / Campbell Lake / Sand Lake communities for House District 15.

**Fairweather / Doyon: September 2022 to January 2023** **Anchorage, AK**  
**Principal Drilling Engineer**

- Recently completed projects with Fairweather / Doyon for 88 Energy to prepare, file and gain approval for the AOGCC Drilling Permit for the Hickory No.1 exploration well. Also prepared and gained approval for Well Plan. Hickory No. 1 well is located south of Prudhoe Bay just west of Dalton Highway (Haul Road). It is located just south of the Great Bear Pantheon project.

**Solsten XP / BlueCrest: August 2017 to March 2020**

**Anchorage, AK**

**Principal Drilling Engineer**

- Recently completed projects with BlueCrest Energy Alaska to drill / complete / workover ERD (extended reach) and long multilateral / horizontal wells from an onshore location to offshore targets in the lower Cook Inlet region of Alaska. Utilized MPD and ERD techniques and best practices in these operations. Pioneered the implementation of “fishbone” style wells with up to eight (8) laterals drilled off a mother-bore out to approximately 25,000 feet from the onshore rig location. Provided all drilling engineering support and leadership for BlueCrest to successfully drill and complete these challenging wells.

**HXR Drilling Services: 2016-2017**

**Anchorage, AK**

**Principal Drilling Engineer**

- Completed well design engineering work for the Ahtna Tolsona No. 1 well, as high pressure gas well exploration prospect located in the Copper River Basin southwest of Glenallen. Employed mud weights as high as 20.0 ppg to drill and TD the well.
- Prepared Application for Permit to Drill for Tolsona No. 1 and worked to obtain approval of same from the Alaska Oil and Gas Conservation Commission.
- Prepared detailed Well Plan for the drilling of the Tolsona No. 1 exploration well.
- Prepared Drill Well On Paper and other planning documents for Tolsona No. 1.
- After Tolsona, was assigned to BlueCrest Energy Alaska to drill / complete / workover ERD and horizontal wells onshore in Cook Inlet region of Alaska.

**ConocoPhillips Alaska: 2012-2015**

**Anchorage, AK**

**Principal Drilling Engineer**

- Provided engineering, cost estimating, permitting, and daily operational support for the drilling of the Flat Top 1 winter exploration well in the NPRA (National Petroleum Reserve Alaska) during the winter of 2013-14.
- Served as Lead Drilling Engineer for Chukchi Sea Exploration Drilling Project. Supervised staff of four (4) drilling engineers preparing engineering programs, cost estimates, permits, contracts and other documents to support project development. Coordinated and prepared high level presentations to obtain various project approvals.
- Prepared engineering programs to suspend or P&A numerous wells in Alaska.

**ConocoPhillips Indonesia: 2007-2012**  
**Senior Staff Drilling Engineer**

**Indonesia**

- Onshore Drilling Engineering and Operations Management – South Sumatra
- Responsible for Suban and Sumpal Big Bore Gas Well Drilling and Completion Operations
- Employed Pressurized Mud Cap Drilling Techniques to safely and efficiently drill high rate gas wells with continuous drilling fluid losses into fractured basement reservoirs.
- High level of focus on HSE “Journey to Zero” and Cost Targets
- Offshore Drilling Engineering and Operations Management – Natuna Sea
- Provided engineering and operations support for jackup drilling, tender assist drilling, and hydraulic workover unit operations offshore on Block ‘B’ of the Natuna Sea in Indonesia.
- Involved with deviated wells, horizontal wells, and a series of sidetracks and workovers on the Belida platforms.

**ConocoPhillips Norway: 2002-2006**  
**Ekofisk Drilling Superintendent**

**Norway**

- Assigned as Drilling Superintendent for all drilling and completion operations for Ekofisk-X platform in the Ekofisk Field in the southern North Sea.
- Provided line supervision with direct responsibility for ongoing drilling, completion and workover campaigns.
- Spent approximately 20% of time in the field, working with offshore team to constantly improve operations and HSE performance.
- Drilled approximately twenty-five wells at Ekofisk, including several horizontals wells requiring complex Geosteering.

**ConocoPhillips Alaska: 2001-2002**  
**Staff Drilling Engineer**

**Anchorage, AK**

- Worked closely with Permitting personnel to support extensive permitting effort required for the offshore Beaufort Sea operating location.
- Provided the drilling engineering support for the drilling of the Bergschrund-1 well, which later became the Alpine Field Discovery Well.
- Served as Lead Engineer and prepared drilling program, Critical Operations Curtailment Plan (COCP), Spill Prevention, Containment, and Counter-Measure Plan (SPCC), and Relief Well Plans for Kuvlum wells drilled in Alaskan Beaufort Sea using Kulluk ice-resistant semisubmersible drilling vessel.

**ARCO Alaska/ConocoPhillips Alaska: 1988-2001**  
**Staff Drilling Engineer**

**Anchorage, AK**

- Served as Drilling Team Leader for ARCO West Sak heavy oil development projects in the Kuparuk River Unit
- Participated the planning for the McCovey prospect exploration drilling program which included design and engineering for a spray ice island drilling platform and refrigerated cellar box technology
- Provided engineering support and program writing for Canmar SSDC bottom founded arctic drilling structure for ARCO Cabot and Fireweed wells
- Have previously worked in the difficult drilling area of the Overthrust Belt in southwestern Wyoming, namely in the fields at Anschutz Ranch and Whitney Canyon, and surrounding areas.

**Training:**

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- Advanced Well Control Certified – June 2013
- K&M Extended Reach Drilling – June 2013
- IWCF Subsea Supervisor Well Control Certified – August 2013
- Hold current Well Control Certification – Supervisor Level / Surface BOP Stack / MAPTS Training Center, Anchorage; awarded June 2022.

**Education:**

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- BS Petroleum Engineering, 1980 - Montana Tech
- Masters in Business Administration, 2002 - Alaska Pacific University
- MS Environmental Engineering, 2002 - University of Alaska
- Registered Professional Engineer (Petroleum) - State of Alaska (EP 8148)

**Publications:**

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- *1993 U.S. Beaufort Sea Offshore Exploratory Drilling Achievements: A Case History*  
SPE-29415 | 1995
- *Project Planning: The Key to Offshore Arctic Drilling Success at Kuvlum*  
SPE-26065 | 1994