

Bachelors of Science, Mechanical Engineering, Minor: Mathematics, 1985  
Southern Methodist University  
Bachelors of Science, Business Administration, 1980  
University of Southern Mississippi

**MICHAEL R. COOK**  
*Drilling Project Manager*

Experienced project manager with extensive engineering expertise in the Alaska oil and gas industry, including all phases of drilling and operations.

## **PROFESSIONAL EXPERIENCE**

12/08 - Present, **Petrotechnical Resources Alaska (PRA): Operations Project Manager**, Anchorage, AK

Provide operations program management responsibility for the delivery of a Methane Hydrates monitoring and test well in the East Barrow Gas Field, North Slope Borough, Alaska.

6/06 - 12/08, **Renaissance Alaska, LLC: Manager - Operations**, Anchorage, AK

Responsible for the operations start up of an independent oil and gas operator, Renaissance Alaska, LLC, in the NPRA - NE (Umiat Field). Professional responsibilities included:

- Responsible for all Permitting/Regulatory approvals through the State of Alaska, Department of Interior (BLM), and the North Slope Borough.
- Responsible for the approval of the ODPCP (C-Plan) through the Alaska Department of Environmental Conservation (ADEC).
- Responsible for the development and oversight of Master Service Agreements (MSA's) specific to vendor/supplier contracts.
- Responsible for the identification of the service company representation to assist with the 2007-2008 winter drilling season.
- Responsible for the development of all Alaska - Umiat program operating costs. Developed AFE's for all drilling/logging and well testing programs as well as non-drilling support workscope.
- Responsible for Drilling Permit approvals for 5 wells through the AOGCC and BLM.
- Responsible for supply chain integration to ensure efficient delivery of tangible and intangible products to the end user at Umiat.
- Responsible for the development, cost control, and regulatory compliance of a 102-mile ice road from the Dalton Highway to Umiat, crossing Federal, State of Alaska, and ASRC lands.
- Attended North Slope Borough Planning Commission meetings in Barrow, Alaska to ensure that the commissioners were accurately appraised of program progress.
- Responsible for personnel procurement to support the Umiat program.

10/99 - 6/06, **Edison Chouest Offshore, LLC: Oil & Gas Manager**, Houma, LA

- Responsible for the conceptualization and delivery of an approved business plan to perform exploration and exploitation activities in south and south central Texas.
- Recruited G&G staff to facilitate the development of oil, gas, and mineral reserves in two south Texas stratigraphic depositional basins.
- Responsible for the procurement of seismic data (400 sq. miles) and timely execution of seismic interpretation leading to the high grading of the prospective area.
- Responsible for the development and prosecution of a minerals lease/option acquisition plan through landmen contractors.
- Responsible for the development of Mineral lease, Participation and Operating Agreements.
- Responsible for Drilling and Completion plans for each prospective area.
- Responsible for the financial accounting of all phases of the exploitation and exploration initiatives.

10/96 - 10/99, **BP/HES: Alaska North Slope / Badami Development - Engineering Manager**, Anchorage, AK

- Responsibilities included all phases of well construction from conceptualization to delivery in remote arctic site locations, including all supervisory engineering operating support functions.
- Designed, drilled, and completed the first remote site UIC Class I well on the North Slope.
- Interfaced with Federal and State Regulatory agencies to ensure environmental permitting compliance.
- Developed a multi-lateral well construction template to optimize recovery efficiencies on the North Slope Alaska - Badami reservoir.

3/94 - 10/96, **EnSCO International, Inc.: Rig Manager**, Lafayette, LA

- Area of responsibility included the operational and financial management of three 350-foot water depth rated, Marathon Letourneau 82 class SDC jackup drilling rigs operating in the Gulf of Mexico.
- Supervised drilling operational activities and coordinated with client operator representatives to ensure well objectives were safely/environmentally and economically obtained.
- Responsible for the development and execution of capital and expense jackup upgrade programs.

10/89 - 3/94, **ARCO Alaska, Inc.: Sr. Drilling Engineer**, Anchorage, AK

Assignments included periods spent as Development Drilling Engineer, Exploration Drilling Engineer, Rig Supervisor, and Sidetrack/Workover Engineer.

- **Drilling Engineering:** responsibilities included well logistical preparations, pore pressure predictions, directional planning, bit selection, drilling optimization, cement design, open hole and cased hole logging service company selection, and troubleshooting. Experience was also obtained in the completion phase of the well program with responsibilities including the selection of completion equipment. Administrative responsibilities included AFE preparation, cost accounting, and the preparation of drilling permits and well plans. Interaction and close coordination with Geology, Reservoir, Operations Engineering, and Production personnel was required for the successful implementation of the well plan.
- **Rig Supervisor:** Responsibilities included the onsite implementation of the well plan, supervision of contract and service company personnel, and adherence to environmental drilling regulations. Optimization of rig performance included bit selection, system hydraulics, drilling fluids, real time telemetry MWD, and steerable BHA with directional positive displacement mud motors.

Professional Achievements - Drilling:

- Prudhoe Bay Drilling: Section Milling technical contact. Provided technical/operational input through Servco-Smith International to effect the optimization of section milling equipment specific to sidetrack operations on the North Slope, Alaska.
- Developed in-house drilling economics evaluation program for drilling operations, the results of which determined bit type and placement depth along with mud motor economics.
- Lead Engineer assigned to implementing whipstock applications in Prudhoe Bay Drilling sidetrack program. Developed continuous improvement loop through allied partner, Baker Hughes, to facilitate cost reductions in PBD's ongoing sidetrack effort.

2/89 - 10/89, **ARCO Alaska, Inc.: Field Operations Engineer**, Anchorage, AK

Responsibilities included the onsite quality control of production diagnostic logging (channel detection, fluid identification, production profile), open hole and cased hole logging, and Gas/Oil and Water/Oil contact monitoring via Compensated Neutron and Pulsed Neutron logging. Technical Evaluation and analysis was performed on all logging well work. The results of the well technical summary set the direction and priority for future remedial planning of the subject well.

9/87 - 2/89, **ARCO Alaska, Inc.: Operations/Analytical Surveillance Engineer**, Anchorage, AK

Responsibilities included the remedial well work planning and execution for a Prudhoe Bay forty well drill site with 40 producers that averaged a sustainable off take rate of 80,000 BOPD. Duties required the monitoring and production allocation (oil/gas/water) of all wells, GOC/WOC monitoring, profile modifications via adperfs and cement squeeze treatments, pressure transient analysis for determination of near wellbore damage caused by drilling and workover fluids, and formulation and continual optimization of gas lift designs.

1/87 - 9/87, **ARCO Alaska, Inc.: Field Corrosion Engineer**, Anchorage, AK

Responsibilities included providing technical assistance to the project engineer and supervising field inspection crews. The project AFE amount was \$14MM and represented the largest capital AFE'd project on the North Slope in calendar year 1987. During the term of the project, my responsibilities grew to assistant project engineer. Interpretation and quality control of field data, along with developing statistical correlations to predict external corrosion, were tasks that were assigned prior to the completion of the project.

12/85 - 1/87, **ARCO Alaska, Inc.: Engineering Development Trainee Program**, Anchorage, AK

A company introductory program designed to familiarize new hire engineers with ARCO Alaska's organization. The year was spent in the following organizations: facility planning, corrosion, operations engineering, drilling, and production.

**TRAINING**

Surface Petroleum Operations Engineering  
Boyce Gas Turbine/Compressor School  
Gas Lift Optimization School  
Rike Workover/Completion Well Control School  
Drilling Solids Control School  
OGS Drilling Engineering School  
Horizontal Well Drilling & Completion Seminar

Sub-Surface Petroleum Operations Engineering School  
ARCO Advanced Reservoir School  
ARCO Polymer Mud School  
Milpark Drilling Fluids School  
British Petroleum Stuck Pipe School  
Murchison Drilling School