



**BRADLEY G. KERR, D.ENG., P.E.**

**SR. DRILLING ENGINEER  
SIGNA COMPETENCY KASE #5443**

**SUMMARY OF QUALIFICATIONS:**

- Engineering and operations specialist with 14+ years of experience in the oil & gas industry.
- Registered Professional Engineer in the State of Texas, #103606.
- Doctor of Engineering in Mechanical Engineering, Texas A&M University.
- Project manager skilled in implementation of solutions for exploration and field development programs.
- Designer and developer of downhole tool technology:
  - Increased reliability for multiple wireline and while-drilling tools.
  - Reservoir fluid sampling tools for HTHP applications.
  - Coiled tubing drilling BHA capable of open hole sidetracks and lateral drilling.
- Cross-trained to integrate field operations and business management to develop economic models and valuations of potential acquisition and divestiture targets.
- Skilled in planning, engineering, and managing exploration and field development programs in Marcellus, Eagle Ford, East Texas, and Permian Basins.

**EDUCATION AND CREDENTIALS:**

- **Master of Business Administration – 2016**
  - Rice University – Houston, Texas
- **Registered Professional Engineer, Mechanical – Texas, #103606 – 2009**
- **Doctor of Engineering, Engineering – 2006**
  - Texas A&M University – College Station, Texas
- **Master of Science, Mechanical Engineering – 2004**
  - Texas A&M University – College Station, Texas
- **FAA Licensed Private Pilot, Instrument Rated – Single Engine – 2004**
- **Bachelor of Science, Mechanical Engineering – 2002**
  - University of Arkansas – Fayetteville, Arkansas



**PROFESSIONAL EXPERIENCE:**

**SIGNA ENGINEERING CORP. 2018 – Present**

***Sr. Drilling Engineer/Expert Witness***

**ANADARKO PETROLEUM CORPORATION 2011 – 2018**

***Corporate Business Development Manager (2016-2018)***

- Managed case development, analysis, and valuation of assets for potential divestiture or acquisition.
- Completed \$1B in divestitures and valuation of multiple acquisition opportunities from \$15MM to \$4B.
- Incorporated technical economics and data analytics output from multiple teams into valuation models.
- Maintained external banking and analyst relationships for market intelligence.
- Prepared valuation recommendations for executive review.
- Mentored employees participating in the Leadership Enhancement Training Series.

***Engineering and Operations Manager (2013-2016)***

- Managed daily drilling operations, multiple rigs in multiple asset locations.
- Ensured safety, continuous improvement, and efficiency goals attained.
- Focused on reducing drilling time and cost per foot drilled.
- Maintained relationships with cross-functional asset teams.
- Directed and reviewed all technical engineering, cost analysis, and cost estimates for assigned assets.
- Mentored new/recent hire engineers in well design, service provider interactions, and leadership.
- Participated in cross-regional peer design and development reviews.
- Completed MBA while providing 24-hour, 7-day a week support to operations.

***Senior Drilling Engineer / Staff Drilling Engineer (2011-2013)***

*Southern Region Drilling, West Texas, South Texas, Pennsylvania, and Kansas Assets*

- Provided daily drilling operations support for various exploration and development assets.
- Engineered drilling programs, technical solutions, and cost estimates for drilling and asset operations.
- Interacted with multiple suppliers to engage new technology, negotiate costs, and review service quality.

**SCHLUMBERGER 2005 – 2011**

***Project Team Leader – Senior Engineer / Senior Engineer II (2007-2011)***

- Directed multi-disciplinary team through design and product development for a coiled tubing drilling BHA.



INTERNATIONAL & DOMESTIC  
PETROLEUM ENGINEERING  
PROJECT MANAGEMENT  
FIELD OPERATIONS  
TRAINING

- Facilitated expert design reviews, concept selection, and development on multiple projects simultaneously.
- Introduced new technology for extreme pressure and temperature operations.

***Product Development Engineer (2005-2007)***

- Analyzed field failures and designed, tested and deployed modifications for commercialized products.
- Developed products & modifications for niche markets to help clients quickly gain market share.
- Developed patented technology allowing client to re-enter market tenders and capture market share.

**TEXAS A&M UNIVERSITY – COLLEGE STATION, TX**

**2002 – 2005**

***Research and Teaching Assistant***

*Turbomachinery Research Laboratory*

- Assembled and operated test rig and analyzed data to perform rotordynamic parameter identification.
- Produced test reports for internal research and industry client funded research programs.
- Assisted in instruction delivery for Engineering Thermodynamics and Fluid Mechanics.

**PRATT & WHITNEY**

**2000 – 2002**

***Production Engineering Intern***

- Designed and modified repair processes for gas turbine engine and airframe components.
- Improved engine mount repair process routers allowing a 10X increase in revenue.
- Participated in 6-Sigma and Kaizen events prior to facilities expansion.

**MEMBERSHIPS, ASSOCIATIONS, DEVELOPMENT, & PATENT**

- LETS Training (Leadership Enhancement Training Seminar) – Spectrum Training
- ELITE Training (Effective Leadership & Intact Team Experience) – Birkman Method
- Junior Achievement Volunteer Teacher 2013
- American Association of Drilling Engineers
- Society of Petroleum Engineers (SPE)
- American Society of Mechanical Engineers
- Aircraft Owners and Pilots Association (AOPA)
- Experimental Aircraft Association (EAA)
- Society of Automotive Engineers (SAE)
- Texas A&M University Formula SAE Team and Competition
- University of Arkansas SAE Mini-BAJA Team and Competition
- United States Patent 8,015,867 Elongated Probe 2011