



MIKE J. DAVIS
SENIOR ENGINEERING ADVISOR
SIGNA COMPETENCY KASE #4445

SUMMARY OF QUALIFICATIONS:

- Proven track record in Organizational Transformation, Optimization, and Operational Excellence.
- Thirty-six years of experience in drilling, completing, and managing offshore projects in the GoM, North Sea, and Brazil.
- Drilling discipline manager skilled in direction of a global drilling and completions group operating in 20 countries.
- Extensive expertise in drilling/completion management, execution, and optimization of complex wells.
- Production engineering and business analysis/corporate budgeting experience.
- Onshore drilling and completion experience in the Mid-Continent, Permian Basin, and Rocky Mountain areas of the U.S.

EDUCATION AND CREDENTIALS:

- **Bachelor of Science, Petroleum Engineering**
 - Texas A&M University – College Station, Texas
 - Class of 1979
- **Supply Chain Management School, Michigan State**
 - School I (2003)
 - School II (2005)
- **Executive Training Program, Kerr-McGee (2002)**

PROFESSIONAL EXPERIENCE:

Signa Engineering Corp. – Houston, Texas **2019 – Present**

Senior Global Offshore Drilling and Completions Engineering Advisor

- Involved with drilling over 100 deep-water wells in the Gulf of Mexico with wells reaching total depths below 32,000' md and in water depths more than 7,200'.

Independent Professional Consultant – Spring, Texas **2017 – 2018**

- Provided technical drilling support for tender involving a local college's procurement and operation of an onshore drilling rig for teaching purposes.



- Provided technical support for vendor enquires into entering the DD/LWD/MWD/ motor market within North America.

Repsol – The Woodlands, Texas

2001 – 2014

Director, Global Drilling/Completions and Discipline Manager (2012-2016)

- In 2012, a global drilling group was formed within Repsol to better manage the drilling process and the rapid growth of Repsol's deep-water operations.
- Provided technical support and reviewed Basis of Design for deep-water wells in the GoM, Brazil, Angola, Namibia, Morocco, Canary Islands, Spain, Guyana, Suriname, and Norway.
- Responsible for training and career development of over 180 drilling and completion engineers and managers in over 20 countries. Key interface between HR and the drilling/completion community.
- Responsible for the commissioning of the new-build 6th generation DW drillship Rowan Renaissance. The Rowan Renaissance was contracted for three years.
- Established Repsol's minimum drilling requirements and standards.

Drilling/Completions Manager, Gulf of Mexico (2007 – 2012)

- Managed drilling of three deep-water wells, including two sub-salt wells that exceeded 29,000' MD and 6,000' water depth.
- Drilling/Completions Manager in Brazil, Temporary Assignment (2009-2010). Successfully drilled 25,260' exploration well in 6,800' water depth on the Stena Drillmax.

Hess – Houston, Texas

2006 - 2007

Americas Offshore Drilling and Completion Manager (includes GOM and Brazil)

- Managed the drilling of two mega-deep (+30,000' MD) wells, a deepwater re-entry, sidetrack and completion, and a deepwater subsea completion.
- Managed the operations of three semi-subs at one time.
- Managed an onshore staff of two superintendents and five engineers.
- Set GoM record for recovery of whole cores (below 30,000' MD).
- Successfully drilled in a 10 $\frac{5}{8}$ " liner 400' through tar zone.
- Helped developed liner drill-in tool for deep-water GoM application.
- Responsible for all EHS compliance for offshore drilling/completion rigs.



Kerr-McGee – Multiple Locations

1980 - 2006

Drilling Operations Manager, Gulf of Mexico/Houston (1 year)

- Drilled eight deep-water wells and 3 geologic sidetracks.
- Managed the operation of four semi-subs, a drill ship and a spar completion rig.
- Managed drilling contractor interfaces to optimize contractor performance and minimize contractor issues.
- Responsible for all EHS compliance for offshore drilling and completion rigs.
- Helped manage a budget of approximately \$700MM for the first nine months of 2006.
- Kerr-McGee point person for the new post-hurricane mooring analysis and risk assessment mandated by the MMS.
- Drilled two wells with total depths below 30,000' MD
- Tied back dual risers and completed multiple wells on the Constitution Spar (5,000' WD).
- Completed and tested two subsea wells more than 7,000' water depth off a drill ship.

Drilling Engineering Manager, Gulf of Mexico/Houston (5 years)

- Drilled 81 deep-water wells and 37 geologic sidetracks along with 30 shelf wells.
- Main interface between the drilling group and the Exploration/Development teams.
- Responsible for ensuring well designs met all geologic/development requirements and were fit for purpose.
- Ensured that group stayed abreast of new technologies
- Supervised from six to ten staff and contract engineers. Responsible for career and professional development for the engineering staff.
- Established and monitored performance targets for the GoM drilling group.
- Co-leader on the GoM and division-wide supply chain initiative for drilling services. Re-vamped and implemented the vendor and procurement strategies, which led to improved focus on drilling performance.
- Helped manage an average drilling budget of approximately \$300MM annually for 2003, 2004 and 2005 (\$260MM deepwater) and (\$40 MM shelf).

Drilling Manager, Gulf of Mexico/Houston (2 years)

- Responsible for all drilling and completion activities in the GoM.
- Drilled multiple high-pressure wells in the High Island area.
- Managed two drilling superintendents and a drilling & completion engineering supervisor.



Drilling and Completion Manager, UK sector of the North Sea/Aberdeen (2.5 years)

- Drilled 12 wells in the UK sector of the North Sea, including two HPHT wells and multiple horizontal wells with open-hole gravel packed completions.
- Responsible for all HSE compliance.
- Drilled Kerr-McGee's first deepwater well in West of Shetland Islands.
- Completion responsibilities included subsea tree design, approval, and installations.
- Managed staff of 8-10 engineers and operations staff.

Manager of Business Analysis and Administration/Oklahoma City (1 year)

- Coordinated the preparation of the budget and five-year plan for the E&P division.
- Helped develop a high-level budget planning model.
- Generated division wide AFE policies and procedures.

Manager of Divestitures/Oklahoma City (1 year)

- Supervised the divestiture of 356 properties with staff of 4 Kerr-McGee and 5 contract personnel.
- Executed the first exclusive property auction for Kerr-McGee and helped establish a tax-free account for like-kind exchanges.

Drilling Manager, U.S. Onshore/Oklahoma City (2.5 years)

- Drilled approximately 80 wells in Texas, Oklahoma, New Mexico, Wyoming, and North Dakota.
- Operated up to six rigs simultaneously with one drilling engineer, one technical assistant, and two drilling foremen.

Production Engineer and Engineering Supervisor/Lafayette (4 years)

- Production engineer for multiple shelf properties in Ship Shoal, Vermillion, West Cameron East Cameron. High Island and Galveston. Provided development economics for multiple developments.
- Became the engineering supervisor for five engineers in 3/89 for the Eastern Area which included 8000 BOPD and 120 MMCF/day.
- Generated completion recommendations and procedures for dozens of conventional gravel-packed and high-pressure gas completions in the Gulf of Mexico.