Mark R. Malone

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A proven operations leader, technical engineer, and business professional. Over 35 years of experience building safety conscious high performing teams, delivering strategic growth and capital efficiency in the E&P and service sectors of the energy industry.

New Auburn Energy Management, LLC, Oklahoma City, OK

Vice President of New Auburn Energy Management, January 2023 – Present

Auburn Energy Management is a New Tech Global (NTG) company focused on providing customized project management and contract operating to include drilling & completions engineering, production management, operations planning and oversight, environmental, advisory and field consulting services.

- Project management and business unit manager, supervising all engineering, sales and support staff
- Multiple project management programs for new well completions, fracture stimulation, complex workovers, field development and daily production management
- Work with drilling teams to plan wellbores and subsequent well completions from fracture stimulation to well hook up through production management services
- Provide expert witness and advisory services for oil & gas litigations
- Contracted by a major proppant vendor to perform engineering study comparing results associated with the use of Northern White sand to that of In-basin sands in the Permian Basin. Project later published as SPE paper 217784
- Completion management of Delaware basin horizontal project to include fracture stimulation design, execution and all aspects of completion operations through turn in line for six three-mile Wolfcamp laterals.

Riley Exploration Permian, LLC, Oklahoma City, OK

Senior Vice President of Operations, October 2020 to October 2022

Riley Permian is a small cap publicly traded E&P company focused on high-growth exploration opportunities in the Permian Basin with an emphasis on horizontal development of the San Andres Formation in the Northern Permian Basin and the Eagle Ford formation of southcentral Texas.

- As SVP of Operations responsibilities include all engineering and operations associated with the companies drilling, completions, production and workovers
- Responsible for all production operations in the Platang field of Yoakum County, TX from 98 horizontal San Andres wells producing via ESP converting to rod pump as fluid volumes decline. ESP's initially producing up to 3500 bbls total fluid per day/well and field wide production of 11,000 bopd and 60,000 bwpd. Performed routine well interventions to increase production through cleanouts and stimulation
- Responsible for the planning and implementation of 2021 and 2022 D&C budgets up to $60 million inclusive of a 15 well drilling program, completion operations and applicable field wide artificial lift conversions. Additional budget planning of a three well Eagle Ford pilot drilling program near Giddings, TX

- Worked with EHS management to implement EHS programs to include the reduction of flaring, Quad-O compliance, field wide LDAR program eliminating fugitive methane emissions, a zero-spill policy and the companies first recycled produced water fracture stimulations
- Worked with EHS management to implement safety processes to include Near Miss, JSA's and Stop Work Authority, creating a new safety focus which led to zero lost time incidents in the first year
- Contributed to the design and implementation of an EOR WAG injection pilot project within a designated section of the Platang field

Gulfport Energy Corporation, Oklahoma City, OK

Senior Vice President of Operations (Corporate Officer), October 2013 – April 2020

Control risk and focus teams on capital efficiency through *safe*, well executed operations. Provide collaborative cross-functional leadership to enable delivery of strategic corporate objectives. Manage asset teams to maximize efficiency, achieve production targets and control costs in all phases of operations.

- Led core asset Utica operations team in the completion of 390 wells and subsequent production operations that increased production per day by over 1000% and reduced LOE by 30% from 2013-2020. Daily production of 1.4 BCF
- Executed 2019 D&C capital budget of approximately $560 million enabling year end free cash flow generation
- Assumed responsibility of SCOOP acquisition operations and increased daily gas production 60% and daily oil production 80% from 2017-2019. Daily production of up to ~ 380 mmscf and 4500 bopd
- Defined and implemented reorganization structure for all operations to smoothly transition the completion operations of a four-rig drilling program along with all aspects of newly acquired SCOOP production operations
- Assisted in planning operations for an approximate $1.2 billion 2017 combined asset D&C capital budget while also leading all aspects of production operations for Appalachia, SCOOP and SE Louisiana assets
- Directed EHS department to create a safety-first culture, 100% environmental regulatory compliance, a zero-spill policy and 100% incident reporting system. Reduced new SCOOP asset TRIR 60% (1.29 to 0.69) in first year
- Promoted from Vice President of Operations – Appalachia to SVP Operations over all assets in January 2017
- Built operations team from seven employees to approximately 140 employees and contractors while creating structure to include separate field production, completion teams and operations engineering staff. Separate Ohio based production staff including company pumpers, roustabouts, and facilities construction staff
- Implemented produced water reuse in Ohio achieving >90% reuse and reduced completion costs by $1 million/well
- Created a cross-asset production facilities department to reduce facilities construction costs and implement an equipment rotation program to further reduce costs and new equipment purchase
- Responsible for SE Louisiana assets at West Cote Blanche Bay including 140 wells producing from a field wide gas lift system at up to 4000 bopd and 19,000 bwpd while circulating ~ 34,000 mcf lift gas daily. Restructured SE Louisiana operations and reduced LOE and improved completion techniques to reduce cost of recompletion and sustain production at ~ 4000 bopd. Annual D&C budget of $35 - $50 million

Sierra-Hamilton, Oklahoma City, OK

Engineering Manager, August 2012 – November 2013

Managed Sierra's completion, workovers, and stimulation operations. Provided project management, engineering services, fracture stimulation design, in-house management services and field supervision

- Provide project management for all phases of new well completions and workovers. Manage and supervise field completion consultants & engineers
- Design engineered well completions and fracture stimulation design with expertise in horizontal completions, multi-stage stimulation treatments and unconventional reservoirs
- Contract completions manager for private equity backed independent E&P with a four-rig drilling program in the Woodford shale, Arkoma Basin, and Mississippi Lime in North Central Oklahoma
- Contract completions manager for a Devon Energy Corp. "tight-hole" exploration project in SW Nebraska. Completion & testing of carbonate intervals in multiple horizontal wells of exploration area with no oil & gas infrastructure. Additionally, completed several vertical test/core/observation wells and SWD conversions
- Completed comprehensive stimulation study to recommend completion best practices for horizontal drilling project in NW India

Chesapeake Energy Corporation, Oklahoma City, OK

Senior Asset Manager, January 2010 – August 2012

Managed all aspects of completion, production, and work-over activity for NE Pennsylvania Marcellus shale assets. Delivered safety focus, operational efficiency, cost control and reporting accuracy. Synchronized engineering and field staff. Mentor engineers and interns.

- Lead asset manager in operations group of 8 engineers responsible for all aspects of well completions for a Marcellus Shale drilling program of up to 24 drilling rigs in NE Pennsylvania. Responsible for all phases of completion & production engineering for Marcellus shale horizontal wells producing more than 1.25 Bcf/d
- Design hydraulic fracture stimulation treatments for multi-stage horizontal shale wells and optimization of same. Assist in the planning of water resources, water reuse and transportation for fracture stimulation operations
- Coordinate and schedule completion and remedial operations for 12 workover rigs and up to eight full-time dedicated frac crews

New Tech Engineering, Midland, TX

Vice President Stimulation & Production, August 2007 – January 2010

Managing partner, Permian Basin Business Unit while also providing support of stimulation and completion operations for most all New Tech engineering's business units. Provided project management for all phases of new well work and workovers, as well as providing on-site supervision and quality control of fracture stimulation treatments.

- Design engineered well completions and fracture stimulation design, 3D fracture modeling (MFrac III) with expertise in horizontal completions, multi-stage stimulation techniques and unconventional reservoirs

- Expertise in shales inclusive of Ft. Worth Basin Barnett Shale, West Texas Barnett, Eagleford, Woodford, Avalon, Bonespring & Morrow Shale(s), Haynesville Shale, Floyd Shale, Permian Wolfcamp/Spraberry, and NE US, Marcellus, and Utica Shales
- Completed wells and completion designs in the Permian Basin, D-J Basin, Raton Basin, South & East Texas, Mid-Continent, Pennsylvania, West Virginia and Tunisia, North Africa

BJ Services Company, Midland, TX

Region Technical Manager, December 1997 – August 2007

Technical management and advisor for BJ's Permian region. Responsible for all job problem resolution, technical product applications, field studies, training, and sales support. BJ was the leading supplier of pressure pumping services and market share leader in the Permian basin during this time. Worked with R&D on the development and implementation of numerous stimulation and cementing products for the Permian market.

- Responsible for Permian region technical department and laboratory budgets (annual combined budgets of approximately $2.5 million) in a region producing more than $740 million in annual gross revenue (2006 revenue)
- Manage BJ's Permian Region laboratory staff, laboratory manager, analysts, and technicians. Provided cement testing, QC/QA of products, job problem resolution, SEM and XRD analysis, product application and research
- Technical management for Permian Region, inclusive of; 12 reporting region engineers, field support, technical sales, technical presentations, as well as defining, coordinating, and developing new pumping services technologies
- Classified in company's Technical Career Advancement Program (T-CAP) as Level 6. Highest technical level obtainable within company program, implying expert status in hydraulic fracturing, acidizing and cementing

BJ Services Company and The Western Company of North America, January 1988 – December 1997

Recruited by The Western Company of North America in 1988. The Western Company was purchased by BJ Services Company in 1995 and prior to being promoted to Permian Region Technical Manager, I spent ten years in positions of increasing responsibility as follows:

- **Alliance Coordinator,** Midland, TX
  - February 1996 – December 1997
- **Account Manager**, Midland, TX
  - January 1994 – January 1996
- **District Engineer**, Eldorado, TX
  - June 1990 – January 1994
- **District Engineer**, Brighton, CO
  - May 1989 – June 1990
- **Field Engineer**, Snyder, TX & Brighton, CO
  - January 1988 – May 1989

Education

BS, Agricultural Engineering, Texas Tech University, Lubbock, TX. May 1987

Accreditation

- 2019 – Present, Oklahoma Energy Explorers, Board Member and 2026 Vice-Chairman
- 2018 – 2019, Member Ohio Oil & Gas Association, Technical Committee
- 2016 Southwestern Petroleum Short Course, Seminar Co-Instructor, Horizontal drilling, and completion Fundamentals
- **2014 Recipient of the Duane A. Crawford Service Award**. Annual award which honors those individuals that have made a great impact on the Southwestern Petroleum Short Course through support & service
- 2014 Southwestern Petroleum Short Course, Seminar Co-Instructor**,** Fundamentals of Acidizing for the Oil & Gas Industry
- 2010 to 2013 Member Marcellus Shale coalition, Technical Committee
- **Co-Inventor, U.S. Patent 7,210,528**, "Methods of Treating Subterranean Formations using Mixed Density Proppants or Sequential Proppant Stages" Patent Issued May 1, 2007
- 2006 Southwestern Petroleum Short Course, Seminar Instructor, Practical Squeeze Cementing
- Spring Semesters 2002 – 2005, Voluntarily coordinated and assisted with Laboratory instruction for Petr. Engr 3407, "Mud Lab," for Dr. Lloyd Heinze, Petroleum Engineering Department, Texas Tech University. Topics: Cements & Cementing, 3D Fracture Modeling - Applications and Usage, Fracture Stimulation Fluids – Overview
- 2003 Southwestern Petroleum Short Course, Seminar Instructor**,** Practical Hydraulic Fracturing – Making a Difference
- 2002 Southwestern Petroleum Short Course, Seminar Instructor**,** Acidizing in the Petroleum Industry from Why to How
- 2001 – Present, Southwestern Petroleum Short Course, Member Board of Directors
- 2000 Southwestern Petroleum Short Course, General Chairman
- 1999 Southwestern Petroleum Short Course, Program Chairman
- 1997 SPE Midland Oil & Gas Recovery Conference, Stimulation Co-Chair
- 1989 to Present, Member, Society of Petroleum Engineers

Technical Papers and Publications

- "In-Basin Sand Performance in the Permian Basin and the Case for Northern White Sand" SPE paper 217784, Co-author, SPE Hydraulic Fracturing Technical Conference, The Woodlands, Texas, February 2024
- ***Modern Fracturing, Enhancing Natural Gas Production***, Text Copy right 2007, Published by Energy Tribune, Houston, Texas. Co-author of Chapter 9, "Treatment Execution," text sponsored by BJ Services Company and edited by Michael J. Economides. Initial distribution at the SPE Annual Technical Conference and Exhibition, Anaheim, California, November 2007
- "Stimulation of Gas Shales, They're all the same…Right?" SPE paper 106070, Co-author, SPE Hydraulic Fracturing Technology Conference, College Station, TX., January 2007
- "Lightweight proppants in slick water frac boost flush output, cut post-frac decline" Co-author, ***World Oil***, Published September 2006
- "Extensive Investigation of Whip stock Cement Plug Designs at 299°F Yield Critical Developments," AADE-05-NTCE-135, Co-author, AADE 2005 National Technical Conference and Exhibition, Houston, TX., April 2005
- "Maximizing Fracture Conductivity with Proppant Partial Monolayers: Theoretical Curiosity or Highly Productive Reality?" SPE paper 90698, Co-author, SPE Annual Technical Conference and Exhibition, Houston, TX, September 2004
- "Lightweight Proppant a New Innovation in Hydraulic Fracturing," Co-author, Southwestern Petroleum Short Course, Lubbock, TX., April 2004
- "Fracture Stimulation of the Morrow Formation with Crosslinked Methanol: A Case History," SPE paper 86482, Primary Author, SPE International Symposium and Exhibition on Formation Damage Control, Lafayette, LA., February 2004
- "Development, Laboratory Testing, and First Field Applications of New Relative Permeability Modifier to Reduce Water Production," Co-author, Offshore Mediterranean Conference and Exhibition, Ravenna, Italy, March 2003
- "Fracture Pre-Treatment: A Patented Process has been Developed to Intensify Breaker Activity, Minimize Polymer Damage and Maximize Post Fracture Permeability," Co-author, Southwestern Petroleum Short Course, Lubbock, TX., April 2001
- "Fracturing with Cross-linked Methanol in Water Sensitive Formations," Author, SPE paper 70009, SPE Permian Basin Oil & Gas Recovery Conference, Midland, TX., May 2001
- "Organoborates Combined with Guar-Specific Enzyme Breakers Increase Production and Outperform Competitive Fluid Systems in the Grayburg-Jackson Field, Southeast New Mexico," Primary Author, Southwestern Petroleum Short Course, Lubbock, TX., April 2000
- "Enzyme Breaker Technology Increases Production, Grayburg-Jackson Field, Southeast New Mexico: A Case History," Primary Author, ***Journal of Petroleum Technology,*** Published October 2000
- "Enzyme Breaker Technology Increases Production, Grayburg-Jackson Field, Southeast New Mexico: A Case History," SPE paper 59709, Primary Author, SPE Permian Basin Oil & Gas Recovery Conference, Midland, TX., March 2000
- "Successful Fracture Stimulation in Tight Gas Sands of Southeast New Mexico with Binary Foam," Co-author, Southwestern Petroleum Short Course, Lubbock, TX., April 1998