

CURRICULUM VITAE

CONTACT INFORMATION

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PERSONAL INFORMATION

Citizenship – USA

Active Passport

PROFILE OF RELEVANT E&P EXPERIENCE

- Third generation oil and gas with over 40 years of drilling, completion, and production experience working with all types of conventional and unconventional wells and facilities worldwide.
- Proven track record of managing staff, capital, and gross operating budgets in excess of 2 billion dollars / year and production volumes of over 1.5 BCFD.
- Over 10 years working in Mobil's technology center on industry first projects worldwide and have been in over 50 countries working oil and gas issues.
- Extensive experience in managing foreign Joint Ventures.
- Leader in Environmental Health and Safety.
- SPE Distinguished Lecturer and Patent holder.
- 15 years managing US land based operations and development in East Texas / North Louisiana, Oklahoma, Appalachia, South Texas, Rockies, and West Texas. Wide variety of operations from Coal Bed Methane, CO2 Floods, Sour Gas Plants, Water Floods, Conventional Tight Gas, and Horizontal Shale Wells. Extensive experience operating wells from less than 1 mcfpd to over 100 million cfpd/well.
- Highly supportive of automation technologies to lower down time, improve well performance, minimize environmental impact, reduce work force, and produce reliable production data.
- Expert Witness reports, depositions, and testimony in US, Scotland, and Canada on oil industry related projects.
- In charge of all operations and engineering for a major independent oil and gas company while satisfying requirements from JV partner British Gas. All done safely and environmentally sound.
- On the Board of Azure Midstream. (East Texas Gas Gathering Company)
- Took a company that had never drilled a horizontal well to one running over 20 rigs drilling over 500 wells in the deepest, highest pressure, hottest, shale formation in the United States.
- Developing Completion equipment and techniques for Enhanced Geothermal Completions.

EMPLOYMENT HISTORY

President
MRCPET LLC

November 2015 – Present

Provide Expert Witness testimony and project consulting in the US, Canada, and Scotland.

**President
Geothermal Wells LLC**

October 2022 - Present

Developing projects to use oil and gas technology to develop Enhanced Geothermal Resources for Electricity or Heat. Currently focusing on developments in Nevada, the United Kingdom, and Japan.

**Vice President, Operations and Asset Management
EXCO Resources, Inc., Dallas, Texas**

January 2013 – November 2015

Responsible for EXCO's Drilling, Completion, Development, and Production Operations. Operations and Development at the peak included over 350 staff (100 office, and 250 field). Operated ~ 6,500 wells producing over 1.5 BCFD and 30,000 BOPD in 4 states. Manage two JV operations with BG Group as well as EXCO non JV properties. Managed 3 Development Teams for the Haynesville, Marcellus, and Eagle Ford. At the peak managed 26 drilling rigs ramping down to 3 rigs in late 2015 due to low commodity prices.

Operations varied from 6,000 conventional shallow gas wells in Pennsylvania, and West Virginia (producing ~5 mcf/d /well), 120 Marcellus Horizontal Wells (rates to 12 Mmscf/d @ 6,000 psi), 500 Haynesville Shale Wells (rates to 30 Mmscf/d @ 10,500 psi), and 220 Eagle Ford Shale Wells (rates over 1,000 BOPD), Austin Chalk and Buda horizontal Wells. Lowest cost operator and driller in the Haynesville shale.

**Vice President Operations – East Texas / North Louisiana
EXCO Resources, Inc., Dallas, Texas**

February 2007 – December 2012

Responsible for Geology, Reservoir Engineering, Drilling, Completion, and Producing operations in East Texas and North Louisiana Including: 260 Company personnel (3 major areas) and over 1,500 wells with gross production of over 1.5 Bscfd. Well mix included conventional Cotton Valley wells in the Vernon, Waskom, Holly and Danville Fields to Horizontal Haynesville Shell wells in Louisiana and East Texas. Managed Haynesville Joint Venture with BG Group including operation of twenty-two 1,500 HP drilling rigs and 4 frac fleets. Board member for EXCO Appalachia and TGGT Joint (Gas Gathering) ventures with the BG Group. These operations accounted for ~85% of the company's production and capital spend. Set up new production, well work, and maintenance data bases. Guided EXCO's Haynesville field development from inception to over 400 wells producing ~ 1 BCFD in 3 years.

**General Manager – Operations – Eastern Region
Anadarko Petroleum Corporation, The Woodlands, Texas**

August 2006 – February 2007

Responsible for Anadarko's field operations in Central Texas, East Texas, Louisiana, Mississippi and Pennsylvania. Including: 240 Company Personnel (5 major areas), 200 + Contract Personnel and Over 4,000 wells. Responsible for a net 166,000 BOED, 3 Gas (sweetening) Plants, central gathering / compression systems. Capital budget (\$500 million) Expense budget of (\$200 million)

Major Properties include

- Vernon – Louisiana (250 MMscfd) (Caney Lake Plant – 100MMscfd)
- Bossier - Central Texas (250 MMscfd) (Pinnacle Plant – 350 MMscfd)
- Carthage – East Texas (90 MMscfd)
- Chalk – Central Texas (120 MMscfd & 10,000 BOPD) (Tyler County Plant – 60 MMscfd)

**Production Manager – Rockies
Anadarko Petroleum Corporation, The Woodlands, Texas**

June 2000 – August 2006

Producing and Production Engineering Manager for Anadarko's assets in Wyoming, Colorado, and Utah.

Grew area from 50 to 250 company employees, 3 Engineers to 20 Engineer, 310 wells to over 5,000 wells, 20,000 to 120,000 Company owned Compression HP, production of 10 MM BOE/YR to 28 MM BOE/YR

Included in the area were 4 major PSM sweetening gas plants, 2 major CO2 floods, Conventional Tight Gas Production, Sour Gas Production, and Coal Bed Methane Production. Operated 1,200 miles of company owned power transmission lines and sub stations. Numerous DOT pipelines.

Extensive experience on private and BLM lands with production, injection, disposal, surface discharge.

Major Properties Include

Elk Basin – Water Flood – 5,000 BOPD- Elk Basin Plant - 30 MMscfd, butane, gasoline
Salt Creek – EOR – Salt Creek Plant – 120 MMscfd (CO2)
Monell – EOR – 30 MMscfd (CO2)
County Line – Powder River CBM – 150 MMscfd
Atlantic Rim – CBM – 10 MMscfd
Helper – Utah CBM – 60 MMscfd – 2 Plants (60 MMscfd)
Brady – Sour Gas – 60 MMscfd - (Brady Plant – 60 MMscfd)
Table Rock – Sour Gas – 60 MMscfd (Table Rock Plant – 60 MMscfd)
Moxa – Conventional – 30 MMscfd
Wamsutter – Conventional – 100 MMscfd

Sr. Production Engineer – Rockies Union Pacific Resources, Ft Worth, Texas

January 2000 – June 2000

Provide engineering support and supervision for completions and workover operations in Wamsutter, Moxa, and Brady fields of South Western Wyoming.

IDS Completions / Well Testing Supervisor MEPTEC Completions Engineering Advisor, Dallas, Texas

April 1998 – Jan 2000

Dual role responsibilities reporting to both Research and Operations to help maintain communication and technology transfer

IDS (International Drilling Services) Completions / Well Testing Supervisor

Provide engineering supervision and coordination to 7 completion and well test engineers. 3 Engineers support subsea completions and installation of a new 40 slot platform in Equatorial Guinea, 1 engineer supports completions in Indonesia, 1 engineer supports heavy oil artificial lift activities in Venezuela, and 2 engineers support well tests worldwide. Developed new completion scheme on subsea wells to allow the pay interval to be drilled horizontally with oil base mud prior setting the production casing and gravel packing the open hole pay interval. This scheme reduced completion costs by over \$1.5 million per well while simultaneously increasing well productivity. Subsea wells produce in excess of 15,000 BOPD. On-site supervised this new completion technique. This new scheme was made possible by working with research group. Developed new P&A scheme to allow bottom hole pressure to be continuously monitored in subsea well after abandonment. This new scheme also cut the normal P&A cost in half.

Supervisory Duties include:

- Review and approve completion and well test procedures.
- Coordinate tender activities for 40 slot platform (\$80 million completion program), including bid preparation, bid analysis, contract approval, equipment manufacturing QA/QC for completion equipment and services.
- Evaluate alternatives and prepare cost estimates for new well tests and new field developments.

Completions Engineering Advisor

Internal consultant for MEPTEC (Mobil E & P Technical Center) on operated and non-operated properties including evaluating new development schemes before they go to the board of directors of the corporation for approval. Assist Mobil management in assessing risk and determining solutions for daily operating problems. Ensure Mobil Drilling is using latest technology available from either MEPTEC or outside.

Internal consultant and technical service engineer. Responsible for designing and implementing new and complex technologies worldwide, and providing day to day support for areas where the company did not have a existing completions, test, or operations engineer. A sampling of these activities include:

- Offshore wells tests from semis, drill ships and jackups in Australia, Vietnam, Canada, Red Sea, North Sea & West Africa. Onshore tests in Austria, Germany, Bolivia, Peru, Indonesia, & Algeria,
- Designed and provided on-site completion supervision for the first two successful horizontal wells in West Africa (1993). This entirely new development scheme has resulted in the drilling of over 100 offshore horizontal wells to date. Second well proved sand control was not required and significantly reduced costs on the next wells.
- Designed and provided on-site completion supervision for the first two horizontal gas storage wells in upper Austria (1993). Well design consisted of 7" monobore to minimize friction. To date 5 more wells using same design have been implemented in the field and design has been copied by numerous other operators.
- Designed and provided on-site supervision to complete the world's deepest multi-frac horizontal well (Germany 1994). This well has made previously uneconomic reserves commercial. Designed and on-site assisted affiliate in implementing a more cost effective well design (35% less cost using 4-1/2" casing) on a new well with 7 more approved to develop field (1999).
- Designed test program and provided onsite supervision for HPHT drill stem tests from a semi. One well was 200 miles offshore Australia in 600' of water. On this well seawater was used for the first time as a annular fluid in Australia and in a Mobil HPHT well. Two other wells were in 500' of water offshore Vietnam. Both tests used seawater as a annular fluid and one had a SITP above 12,000 psi. (1995)
- Designed and provided on-site supervision in completing a extended reach multi-frac horizontal well from a jackup. (Southern North Sea 1995).
- Worked with vendor to develop and supervised first installation of a new expandable metal open hole external casing packer. (West Texas 1996)
- Worked with vendor and affiliate to develop and to install two level Six S (pressure containing) Multi-lateral junctions in a single well. (California 1995)
- Assisted in the designs of almost all new horizontal and multi-lateral wells in Mobil. Also assisted in the designs for new developments in: Hibernia, Terra Nova, Sable (East coast of Canada), SCO, LaCeiba (Venezuela heavy oil), Sierra Chata (Argentina), Buckland, (North Sea), Soehlingen (Germany), Puchkirchen (Austria), Griffin (Australia), Ubit, OSO (Nigeria), Jade, Zafiro, Turmalina, Opallo (Equatorial Guinea), Arun, West Seno (Indonesia), Camesia, Candamo (Peru), Tempa Rosa (Italy), North Field (Qatar), Burun (Turkmenistan).
- Worked with Affiliate to install first level Two (cased mainbore) Multi-lateral in Southern North Sea. (1994)
- Worked with vendors and affiliate to install first Mobil level Four (cemented lateral tied back to cemented mainbore) Multi-lateral system. (Canada 1996)
- Worked with vendor to develop high temperature wire line set coil tubing retrievable bridge plug for first 9-5/8" monobore completion in Indonesia. (1991)
- Worked with vendors to develop concept and tools for a downhole shut off valve to allow perforating long intervals without killing the well. (1993)
- Developed concept, built, tested, and patented new corrosion resistant composite tubing coupling. (1991)
- Developed concept, patented and implemented new horizontal treatment method using simultaneous treatment down coil tubing and coil tubing/tubing annulus. (1993)
- Worked with vendor to develop and test a new open hole formation cracker tool. (1997)
- Worked with vendor to develop and test a downhole fiber optic laser for cutting and welding. (1998)
- Worked with vendor to develop and test a new level five (cemented lateral tied back to cemented mainbore with isolation) Multi-lateral hollow whipstock system. (North Sea 1997)
- Worked with vendors to develop and calibrate a new computer program to predict the strength of predrilled liners and measured failures on slotted casings. (1993)
- Designed testing scheme and conducted perforating, pressure, and drilling tests of a 4-1/2" composite bridge plug to optimize bit and motor selection. (1994)
- Provided company expertise in completions and producing to internal Technical Health Study on Drilling and Well Operations (1996)

- Conducted on-site review of drilling and completion operations in Uzbekistan. (1997)
- Completions Engineering & Well Testing Supervisor for Mobil International Drilling Services. (1999)
- Designed completion for open hole horizontal gravel pack where the drill in fluid was oil based instead of the water-based calcium carbonate polymer and utilized the Mobil shunt tube system to gravel pack. (1999)
- Numerous in-house presentations to foreign oil ministers and staffs including the President of Equatorial Guinea, Italian Oil Minister, and delegates from Uzbekistan, Turkmenistan, Russia, China, Bolivia, Kazakhstan, India, Qatar, Kuwait, Abu Dabi, Venezuela, Argentina, Nigeria, and Angola.

**MEPUS Completion Engineering Supervisor
(Mobil E & P U.S.) Midland, Texas**

1987 - 1989

Supervised 8 Engineers and 1 technician to complete on average +/- 200 wells per year and Drill Stem Test 20 exploration wells per year. Wells ranged from less than 2,500' to more than 19,000' TVD in West Texas, and New Mexico. All types of Artificial Lift including, Rod Pump, Gas Lift, Hydraulic Lift and Submersible pumps were designed and installed. Implemented new program of QA/QC on acid stimulation and propped fracturing stimulation that was adopted by the corporation. Supervised completion of first Horizontal cased hole multi-frac well. Supervised completion of first sequential frac stimulation in Texas to alter fracture direction. Assisted in development on new downhole shutoff valve for CO2 injectors.

**MEPUS Operations Engineering Supervisor
(Mobil E & P U.S.) Midland, Texas**

1986 - 1987

Supervised group of 12 engineers to support operations in the Pegasus District (composed southern half of West Texas) by performing, workovers, recompletions, drill deepers, artificial lift upgrades, and modification and new installations on producing facilities. District covered the southern half of West Texas, contained 5 field offices and over 1,000 wells. Production varied from deep gas wells, to shallow oil wells under primary production, water flood, and gas recycling of a retrograde gas condensate reservoir. Assisted Area Operations Manager prepare budgets and ensure production and safety goals were met.

**MEPUS Completions Engineer
(Mobil E & P U.S.) Midland, Texas**

1984 - 1986

Designed and supervised field implementation of well completion programs for more than 100 new oil, gas, and water injection wells in West Texas and New Mexico. Designed and supervised open hole Drill Stem tests on 13 exploration wells. Completions varied from simple acid stimulations, to multi-zone propped fracture stimulations. Implemented industry's first radioactive tagging of propped fractures and assisted vendor in new use of cement evaluation tool (CET) for foam cements. Worked with research lab to monitor frac direction and height growth during stimulation using sonic tools in observation wells.

**MPTM Drilling Engineer & Drilling Supervisor
(Mobil Producing Texas & New Mexico) Midland, and Sundown, Texas**

1983 - 1984

For 6 months supervised the drilling of new San Andres producers and water injectors in the Sundown District of West Texas. Supervised the completion of the new wells and performed casing repairs, fishing jobs and stimulations on existing wells. Rig activity ranged from 2 - 4 drilling rigs and 6 - 14 pulling units.

For 6 months worked in Midland Office preparing drilling and completion programs for 4 rig program.

**MPTM Production Supervisor
(Mobil Producing Texas & New Mexico) Sundown, Texas**

1981 - 1983

Supervised activities of two company gangs, welders, pumpers, technicians, and contractors to maintain over 500 producing and water injection wells. During tenure rebuilt two tank batteries, a water injection station and installed two new tank batteries. Oversaw site preparation, and installed new flowlines, pumping units and roads for over 50 new wells.

**MPTM Operations Engineer
(Mobil Producing Texas & New Mexico) Hobbs, New Mexico**

1979 - 1981

Provided Engineering support to field operations for properties in Denver City, Texas, Lovington, New Mexico, and the Four Corners Area of New Mexico. Duties included identifying workover candidates, designing new production facilities, upgrading artificial lift equipment, preparing procedures to repair casing strings, stimulations, recompletions, drill deepers, and plug and abandonments.

**Colorado Well Service - Roughneck, Derrickman, Operator
Rangely, Colorado**

1975 - 1979

Beginning in the winter of 1975 and for every winter and summer break until graduation from college in 1979 worked on Drilling Rigs and Pulling Units in Colorado, Utah, and Wyoming. Started as a floor hand and soon worked up to derrick man for both pulling units and drilling rigs and to operator on pulling units. Assignments varied with each school break from drilling wells in the mountains to performing artificial lift changes on submersibles and rod pumps to performing acid and fracture stimulations.

**Chevron U.S.A. Inc. Roustabout / Pumper
Redwash, Utah**

summer of 1975

During the summer of 1975 worked as a roustabout in company gangs doing maintenance during the first half of the summer and relief for the pumpers during the second half.

EDUCATION

Texas A & M University
Bachelor of Science - Petroleum Engineering
May - 1979

AWARDS

Texaco Star Ambassador, Texaco Oil Corporation, October 1997, For assistance in Multi-lateral development at Texaco.

Shreveport, Dallas and Ft. Worth Wildcatters 2009 – 2012, For Haynesville Development

PUBLICATIONS / PRESENTATIONS

Publications

Chambers, M.R., McCready K.E., Rankin, M.D., “Productivity-Based Service Contracts”, SPE 20103, Presented at the 1990 SPE Annual Technical Conference and Exhibition, New Orleans, Louisiana, Oct 1990, and the Permian Basin Oil and Gas Recovery Conference, Midland, Texas, March 1990

Nwankwo, A.S., Chambers, M.R., et. al., “Ubit Horizontal Well Performance Evaluation - Completion Operations”, Horizontal Well Conference, Dallas, March 1994

Pebdani, F.N., Chambers, M.R., et. al., “Ubit Horizontal Well Performance Evaluation and Future Potential”, Horizontal Well Conference, Dallas, March 1994

Abou-Sayed, I.S., Chambers, M.R., et. al. "Mobil Completes Deep, Tight, Horizontal Gas Well in Germany", Petroleum Engineer International, August 1996

Chambers, M.R., Meehan, D.N., "Practical Issues in Multi-lateral Horizontal Well Completions", SPE 36455, Presented at the 1996 SPE Annual Technical Conference & Exhibition, Denver, Colorado, October 1996

Chambers, M.R., "Making Multi-lateral Wells Cost Effective", SPE 51244, Presented at the 1998 22nd Annual International Conference and Exhibition, Lagos, Nigeria, August 1998

Chambers, M.R., "Multilateral Technology Opens New Horizons On and Offshore for Mobil", American Oil and Gas Reporter, December 1998

Sugden, C. Dr., Chambers, M.R., Johnson, J.A., "Special Considerations in the Design Optimization of High Rate, Multistage Fractured Shale Wells. SPE Paper 2012

Chambers, M.R., Hebert, D.A. "Successful Application of Oil-based Drilling Fluids in Subsea Horizontal, Gravel Packed Wells in West Africa" Paper # 088, SPE 58743 - SPE 2000 Formation Damage Control Symposium, Lafayette, Louisiana, Feb 2000

Numerous Internal Publications, a sampling of the latest non confidential listed below

Chambers, M.R. "Using Oil Based Mud to Drill Long Horizontal sections in Deep Subsea wells prior to Gravel Packing", Mobil Drilling & Well Operations Newsletter, July 1999

Chambers, M.R., "Topacio #1 Observation Well or How to inexpensively make a subsea observation well" Mobil Drilling & Well Operations Newsletter, July 1999

Chambers, M.R., "Recent Drilling and Completion Changes in E.G." Mobil Drilling & Well Operations Newsletter, June 1999

Chambers, M.R., "On the DL Tour", Mobil Drilling & Well Operations Newsletter, May 1998

Chambers, M.R., "First Application of New Generation External Casing Packer", Mobil Drilling & Well Operations Newsletter, January 1998

Industry Presentations

Chambers, M.R. "EXCO's Operations in the Haynesville" AADE, Dallas, Texas, January 16, 2013

Chambers, M.R. "Issues with producing over 1 BCFD from a single field." Ziff Operations Excellence Conference, Houston, Texas, March 1, 2012

Chambers, M.R. "Overview of US Gas and Exco's Operations" AADE Meeting, Dallas, Texas, September 21, 2011

Chambers M.R. "Shale Fracturing" – SPE Shreveport Chapter Luncheon, June 23, 2011

Chambers, M.R. "Shale Fracturing" – SPE Hydraulic Fracturing Conference Keynote Speaker, January 1, 2011

Chambers, M.R. "Haynesville Development", Kilgore College Board of Directors, June 14, 2010, Kilgore, Texas

Chambers, M.R. "Haynesville Operations", EXCO Analyst Day, September 23, 2009, Dallas, Texas

Chambers, M.R., "Using Oil Base Mud to Drill Long Horizontal Sections in Deep Subsea Wells Prior to Gravel Packing", 11th International Conference on Horizontal Well and Emerging Technologies, Houston, Texas, November 16, 1999

Chambers, M.R. “Making Multi-lateral Completions Cost Effective” - Distinguished Lecturer for SPE October 1997 - May 1998, 31 talks, 19 countries, (South America, West Africa, Middle East, Europe, 5 States in U.S.)

Chambers, M.R., “Low Cost Multi-lateral, Hollow Whipstock”, TAML Forum, San Francisco, California, September 1998

Chambers, M.R., “Multi-lateral Completions at Mobil, Past, Present & Future”, Strategic Research Institute Drilling Technologies, San Antonio, Texas June 1998

Chambers, M.R., “How to Determine the Shallowest Depth for a Multi-Lateral Junction”, TAML Forum, London, England, March 1998

Chambers, M.R., “Level 4 Multi-lateral, Canada”, TAML Forum, Stavanger, Norway, November 1997

Chambers, M.R., “New Oil Patch Technologies”, Energy Rubber Group, Houston, Texas, October 1997

Chambers, M.R. “Proposal for 6 Multi-lateral Levels”, TAML Forum, Breckenridge, Colorado, July 1997

Chambers, M.R. “How drilling technology has changed over the last 10 years”, Hi-Tech Happenings in the Patch, Basin Research Institute Center for Coastal, Energy, and Environmental Resources, Louisiana State University, New Orleans, Louisiana, May 1997

Chambers, M.R., “Level 2 Multi-lateral Development at Aneth, Utah”, TAML Forum, Aberdeen, Scotland, March 1997

Chambers, M.R., “Overview of Multi-lateral Completions”, SPE Applied Multi-lateral Technology, ATW, Houston, Texas, August 1996

Chambers, M.R., “New Low Cost Multi-lateral Concepts”, HWTU Multi-lateral Workshop, Aberdeen, Scotland, January 1996

Chambers, M.R., Mueller, M. “Completion of a Deep Multi-frac Horizontal Well”, North Sea Offshore Technology Conference, Aberdeen, Scotland, April 1995

Chambers, M.R., “Damage Minimization in Ubit I4, Horizontal Well, Offshore Nigeria”, HWTU Horizontal Forum, Aberdeen, Scotland, January 1994

Chambers, M.R., “History of Horizontal Well Technology at Mobil”, 4th International Conference on Horizontal Wells, Houston, Texas, October 1992

PROFESSIONAL MEMBERSHIPS

SPE Forum Series - The Future of Horizontal Wells in Unconventional Reservoirs Committee – Park City, Utah – August 2012

SPE Reprint Chairman – 2001 - 2003

SPE Reprint Chairman on Multi-lateral Completions - 2000

1997 SPE Forum Chairman for “Multi-lateral Completion Technology”, Breckenridge, Colorado, July 1997

Attended SPE July 1992 Forum on Horizontal Well Completions - Snowmass Colorado

Attended SPE November 1997 Carbonate Reservoir Stimulation - Kuwait City, Kuwait

Founding Member of SPE ATW's Committee member - Applied Multi-lateral Technology, Dallas, Texas, April 1996 and Houston, Texas, August, 1996

CEA (Completion Engineering Association) President - 1999- 2000

CEA Treasurer 1998 - 1999

CEA Advisory Board 1996 - 1998

CEA Downhole Tools Subcommittee - 1992

Heriot-Watt Horizontal Well Technology Unit - Technical Advisory Board (Edinburgh, Scotland)
February 1995 - 1998

SPE Dallas Chapter Completions Subcommittee Member - 1994 - 1996

API Subcommittee on Perforating Member 1997 – 2000

SPE Production Engineering Award Committee 1999 -

Courses Taught

AAPG Short Course, "New Advancements in Drilling and Completions", San Diego (1996), Dallas (1997), Salt Lake City (1998), San Antonio (1999 canceled)

Petro-Vietnam and VietSovPetro workshop, "Hydraulic Fracturing", Vung Tau, Vietnam - 1994

Chambers, M.R., "Horizontal Completions", Enron In-house Training, Houston, Texas, January 1998

Regularly taught sections at Mobil Completions Equipment Course and Mobil Completions Methods Course on Horizontal and Multi-lateral Completion Equipment and Methods (1991 - 1999)

Updated and Distributed Mobil's Completion Handbook, and Mobil Drill Stem Testing Guidelines

Patents

Chambers, M.R. And Sprunt, E.S., "Method for Controlling Sand Production from a Hydrocarbon Producing Reservoir", United States Patent No. 5,443,119, August 22, 1995

Chambers, M.R., and Sukup, R.S., "Corrosion-Resistant Composite Couplings and Tubular Connections", United States Patent No. 5,406,983, April 18, 1995

Jennings, A.R. and Chambers, M.R., "Method for Enhanced Cleanup of Horizontal Wells", United States Patent No. 5,462,118, October 31, 1995

Chambers, M.R., Alexander, S.A., and Pickett, S. "Multi-lateral Junction", United States Patent No. 5,960,873, October 5, 1999

Chambers, M.R., Lines, T.D., Pate, C.B. El Rabaa, R.M. Pearson, "Controlling Tensile-Splitting and Hydro-Shearing Parameters during Completion of Enhanced Geothermal System Wells, United States Provisional filed 8/2023, final 4/2024.

MRCPET Consulting Projects

Work with GLG Group and Third Bridge to conference call with Private Equity Groups on investments and trends in the Oil and Gas Industry.

March 2016 working with Heim, Payne & Chorush, L.L.P., Blakes (Blake, Cassels, & Graydon, LLP), Torys LLP, & BLG (Bordon, Ladner, & Gervais, LLP) to represent their clients as an Expert Witness in Patent Litigation in the United States and Canada.

January 2019 working with Heim, Payne & Chorush, L.L.P. and Armond Wilson LLP to represent their client as an Expert Witness in Patent Litigation in the United States.

2019 – CEO and President of a group in discussions and analysis of Ohio Clinton Horizontal Well Development Properties on lands operated by Reserve Energy Exploration Company.

November 2019 working with Heim, Payne & Chorush, L.L.P. and Armond Wilson to represent their client as an Expert Witness in Patent Litigation in the United States.

February 2021 working with Stronachs LLP to represent their client as an Expert Witness in Patent Litigation in Scotland.

February 2021 working with Piasetzki, Nenniger, Kvas LLP to represent their client as an Expert Witness in Patent Litigation in Canada.

September 2023 working with Cabello Hall Zinda, PLLC to represent their client as an Expert Witness in Patent Litigation in the U.S.

January 2024 working with Parlee McLaws LLP to represent their client as an Expert Witness in Canadian litigation.

March 2024 working with Heim, Payne & Chorush L.L.P. and Armond Wilson to represent their client as an expert Witness in Patent Litigation in the United States.

Michael Roy Chambers Sr.

May/1/2024

Cases testified in:

Canadian Court File T-1741-13

Packers Plus Energy Services Inc. (Plaintiff) and Essential Energy Services Ltd. And Tryton Tool Services Limited Partnership (Defendants)

Canadian Court File T-1569-15

Rapid Completions LLC. And Packers Plus Energy Services Inc. (Plaintiffs) and Baker Hughes Canada Company (Defendant)

Canadian Court File T-1728-15

Packers Plus Energy Services and Rapid Completions LLC (Plaintiffs) and Weatherford International PLC., Weatherford Canada LTD., Weatherford Canada Partnership, and Harvest Operations Corp. (Defendants)

Canadian Court File T-2088-15

Packers Plus Energy Services INC. and Rapid Completions LLC (Plaintiffs) and Resource Well Completion Technologies INC. and Resource Completion Systems Inc. (Defendants)

Canadian Court File T-1420-18

NCS Multistage Inc. (Plaintiffs) and Kobold Corporation, Kobold Completions Inc., and 2039974 Alberta Ltd. (Defendants)

Canadian Court File T-567-20

NCS Multistage Inc. (Plaintiffs) and Promac Industries Ltd. (Defendants)

Cases Deposed in:

United States Case No. 4:18-cv-4797

United States Patent and Trademark Office – Weatherford International, LLC (Petitioner) vs Baker Hughes Oilfield Operations, LLC (Patent Owner) Case IPR2019-0708 & IPR2019-0768 Patent RE46,137 11/21/2019 & 4/7/2020

United States District Court Southern District of Texas Houston Division Civil Action 4:19-cv-02397

Weatherford U.S. L.P. (Petitioner) v. Enventure Global Tech., Inc. (Patent Owner)

IPR2020-01648 – 6/25/2021

Weatherford U.S. L.P. (Petitioner) v. Enventure Global Tech., Inc. (Patent Owner)

IPR2021-00107; IPR2020-1580 – 6/23/2021

Weatherford U.S. L.P. (Petitioner) v. Enventure Global Tech., Inc. (Patent Owner)

IPR2020-01684; IPR2020-01700 6/21/2021