

<p style="text-align: center;">EDUCATION</p> <p>M. Sc. Petroleum Engineering Texas A&M University 2004</p> <p>Master's degree Integrated Reservoir Management Universidad Central de Venezuela Caracas, Venezuela 2000</p> <p>B. Sc. Engineering Venezuela 1995</p> <p style="text-align: center;">EXPERTISE</p> <p>Reserves and Resources evaluation and estimation</p> <p>Numerical Reservoir Simulation</p> <p>Economic and prospect evaluation</p> <p>Unconventional Reservoirs</p> <p>Reservoir Characterization, Management and Surveillance</p> <p>IOR (Waterflooding) and EOR</p> <p>Tight Gas Reservoirs</p> <p>Offshore Assets</p> <p style="text-align: center;">LANGUAGES</p> <p>Fluent in English, Spanish and Arabic</p> <p style="text-align: center;">ASSOCIATIONS</p> <p>Society of Petroleum Engineers</p> <p>American Association of Petroleum Geologists</p> <p>Venezuelan Engineer Association</p>	<p style="text-align: center;">PROFESSIONAL HIGHLIGHTS</p> <ul style="list-style-type: none"> ▪ More than 20 years of domestic and international experience as a reservoir engineer, incorporating subsurface, production and facilities knowledge to sustain productivity working with multidisciplinary teams and becoming a resourceful key element in any organization with strong emphasis in business profitability ▪ Highly skilled in reservoir characterization, reservoir simulation techniques, and data analysis for reservoir description, management, surveillance and evaluation; including waterflooding, EOR (CO₂, WAG and Thermal) for conventional Onshore/Offshore Deepwater, unconventional assets ▪ Demonstrated capability for reserves quantification studies, SEC reserves reporting and evaluation by integrating reserves/resources activities with business needs ▪ Proficient in economic analysis for oil/gas properties and/or facilities with the ability to determine appropriate exposure limits by completing technical and financial analysis ▪ Ability to clear communicate to management, applying operational excellence principles and performing all the tasks following HSE standards <p style="text-align: center;">WORK EXPERIENCE</p> <p>CDEUS, HOUSTON, TX (2015–CURRENT) RESERVOIR ENGINEERING MANAGING INDEPENDENT CONSULTANT - OWNER</p> <ul style="list-style-type: none"> ▪ Prepared oil and gas field economic evaluations for review by investors and provide them with supporting data needed to structure a deal ▪ Preparing company business plan, strategy, budgeting, costing and manage existing clients ▪ Identify, evaluate, develop and profile new business opportunities and clients Domestic and International markets ▪ Ensure to get prequalification for bids, make sure to qualify, collecting of bid documents, attending the site visit, preparing of competitor's analysis to co-ordinate to prepare competitive bid document follow-up of bid document, negotiation meeting and finalizing the contract <p>SANJEL, HOUSTON, TX (2015–2016) LEAD RESERVOIR ENGINEER</p> <ul style="list-style-type: none"> ▪ Leading all engineering initiatives related to integrated projects. ▪ Responsible to combine knowledge of reservoir development, and basin analysis techniques to generate quality solutions to support exploration efforts and reservoir development challenges. ▪ Perform multi-well (field) reservoir simulation modeling (History matching and forecasting for Eagle Ford, Bakken, Permian Shale) ▪ Develop asset optimization strategies to improve the economic performance of the asset <p>CONOCO PHILLIPS, HOUSTON, TX (2013–2015) STAFF RESERVOIR ENGINEER / TECHNICAL LEAD</p> <ul style="list-style-type: none"> ▪ Act as a Reservoir Engineering Technical Lead responsible to coordinate team's contribution to the development of the planned Depletion studies for South Texas Conventional Tight Gas Assets ▪ Conduct technical and economical evaluation of prospects, potential recompletions and producing properties, well and reservoir surveillance functions ▪ Provide guidance on reserve and resource estimation, categorization, and capture by ensuring the reserve and resource volumes are appropriate and consistent with company policies ▪ Coordinate with accounting and planning on reserves and resource issues relative to capital plan preparation, base depletion forecast, long range plan, and portfolio management. <p>HESS CORPORATION - HOUSTON, TX (2011–2013) SENIOR RESERVOIR ENGINEER</p> <ul style="list-style-type: none"> ▪ Developed effective processes and tools for efficiently monitoring pattern performance, WAG management and surveillance for MPZ and ROZ of Seminole San Andres Unit ▪ Optimized CO₂ injection/production and implement adequate reservoir management strategies to maximized sweep efficiency and optimize ultimate recovery ▪ Provided economic evaluation support to the assets for business planning. Develop production and capital forecasts for the budget cycles and business plans ▪ Conducted production optimization by identifying remedial wellwork, defined the pattern targets for conformance and recommend corrective actions for injectivity impairment. ▪ Supported Eagle Ford Bridwell study by conducting a sensitivity analysis for matrix and fracture perms, fracture half-length and conductivity to fulfill the production history match, thus based on this match run the forecast for possible EURs and evaluated different operations impact <p>ANGUS EXPLORATION & DEVELOPMENT Co., HOUSTON, TX (2009–2013) MANAGING DIRECTOR (CO-FOUNDER)</p> <ul style="list-style-type: none"> ▪ Conducted reservoir technical and economical evaluations for more than 20 wells onshore US and GOM transition area ▪ Provided technical analysis to support company decision of investing in several prospects ▪ Delivered monthly operations and financial reports to ensure maximize and alignment with strategic objectives. Tracked and recorded activity on projects to review and set targets on company assets
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<p>LEADERSHIP ACTIVITIES</p> <p>Member of several Subcommittees and Sessions chair for SPE International ATCE 2012, 2013, 2014 and 2015</p> <p>Committee member for several SPE International Workshops</p> <p>SPE Gulf Coast Section Board Of Director - Program Chair 2015-17</p> <p>SPE Gulf Coast Section Membership Committee Active Leader 2014-15</p> <p>SPE Gulf Coast Section Scholarship committee 2010-15</p> <p>SPE Gulf Coast Section Reservoir Study Group Board member since 2008</p> <p>SPE Gulf Coast Section Reservoir Study Group Chair 2012</p>	<ul style="list-style-type: none"> ▪ Developed and Implemented a Strategic Business Approach to Turn Exploration Data into Drilling Prospects to support company growth strategy with a diversified and balanced portfolio ▪ Responsible for the preparation of the engineering estimates and future net income for acquisition and divestiture packages as well as internal financial planning. management of investment opportunities. <p>GATE, LLC HOUSTON, TX (2007–2011) SENIOR TECHNICAL CONSULTANT – OFFSHORE AND DEEPWATER</p> <ul style="list-style-type: none"> ▪ Designed and monitored tracer injection program for water and gas flooded reservoirs. Deployed streamlines numerical simulation models to determine tracer breakthrough in production wells and incorporated results using generalized travel time inversion approach ▪ Conducted specialized reservoir studies for hydraulic and thermal fracture modeling ▪ Completed oil and gas well evaluations for review by investors and provide supporting data needed to structure a deal. Estimated investment value, half-life of properties, and other required data for a private investment affiliated company ▪ Executed Reservoir Scale and Souring prediction models to mitigate and prevent them in deepwater fields and built detailed modeling of H₂S and CO₂ partitioning through the production system into the oil, gas and water phases ▪ Developed an integrated flow system model for offshore Waterflooding projects; combining surface, subsea and subsurface, to evaluate injectivity, reservoir pressure, injection rate and delivery pressure. ▪ Supported development of initial startup plans and procedures for offshore developments by using a systems engineering approach <p>PDVSA CVP (2005–2007) AREA TEAM LEAD</p> <ul style="list-style-type: none"> ▪ Lead and coordinate a multi-disciplinary/international team across geoscience sub-disciplines to estimate reserves, field potentials, property definition, and strategies for future exploitation of the heavy oil area located in Orinoco belt ▪ Participated in the Database creation, reservoir properties validation, static data integration and OOIP estimation. Delineated new information acquisition plan to be executed through drilling of stratigraphic wells during 2005-2007 and monitored plan execution ▪ Validated and perform reservoir numerical modeling and analysis using conventional/non-conventional Wells, analysis of PVT studies, fluids column definition for complex areas, evaluation and prediction of production performance in the field. ▪ Reviewed tender bids for services, solicit quotation from vendors, evaluation of bids, specify inspection parameters and monitor performance of contractors to ensure performance standards, quality and reliable services ▪ Devised new technologies for secondary improved recovery of heavy oil <p>PDVSA INTEVEP (1995–2005) RESERVOIR ENGINEER FOR RESEARCH AND INTEGRATED STUDIES</p> <ul style="list-style-type: none"> ▪ Designed and analyzed of exploitation schemes for Simulation and Prediction of Reservoir performance in several assets. Determined optimal strategies of exploitation and economics evaluations and determine future performance thereby value of the asset ▪ Developed New Reservoir Simulation tools to identify non-swept and poorly drained areas in the reservoir and propose infill locations based on Reservoir Static and Dynamic interpretations. ▪ Applied conventional well test data to determine well performance and reservoir characteristics. ▪ Estimated optimum waterflood/gas injection based on reservoir zonation, flood pattern analysis, injectivity and flood design. ▪ Implemented reservoir engineering principles, flow through porous media, relative permeability, nodal analysis and multi-phase flow to evaluate single well applications and black oil or gas reservoirs. <p>SOFTWARE SKILLS</p> <p>Reservoir and Production Engineering: ECLIPSE Suite, CMG Suite, VIP, ATHOS, OFM, PETREL, 3DSL Streamline, Petroleum Experts Suite (Prosper, GAP, MBAL, REVEAL), Tecplot, KAPPA Topaze/Saphir, PEEP, PHDWin, ARIES™, Wellview, Iconics, GICS, Enable, ArcGis, Openworks, Spotfire, IHS.</p> <p>Process and Chemical Engineering: VMGSim, Promax, PVTi, Schalechem.</p> <p>Desktop: Microsoft Office suite, Microsoft Project and Microsoft Visio. OS: Windows and Unix.</p> <p>Programming Language: VBA, Java, C, C++</p>
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