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## **CAREER HIGHLIGHTS:**

Thirty-nine years of diversified petroleum engineering, management and problem solving experience with major and independent oil and gas producing companies and a major consulting firm. My duties have included development, implementation and management of company policies required to maximize profitability for operated and non-operated properties with a minimum cost of operation while complying with all federal, state and environmental rules and regulations; management, motivation, administration, and training of technical and non-technical office and field staffs; reserve report determinations; economic evaluations; budget preparation and monitoring; reservoir and production engineering; drilling, completion and work over operations; field operation management and engineering implementation including design, procurement and construction of various production and artificial lift installations including water, polymer and carbon dioxide flood facilities, salt water disposal facilities, gas gathering systems, gas compression, oil and gas processing facilities and electric generator facilities on land and inland waters.

October 2014 to March 2015: Enduro Resource Partners, Fort Worth Texas, Consultant: Performed LOE review of all North Dakota operated properties to identify areas to reduce operating cost. Analyzed all expenses and operational procedures. Made recommendations to change operational procedures to move from a reactive to a proactive process with root cause analysis to possibly eliminate repeat failures or significantly extend the time between failures. Identified need to continually optimize all artificial life equipment to the wells production capacity. If all identified changes were implemented, estimated LOE cost savings of 15 to 30 percent.

February 2013 to August 2014: Wagner Oil Company, Fort Worth Texas, Production Engineering Manager: Oversight of Production operations in Louisiana, Texas, East and Permian basin, Mississippi, Alabama and West Virginia.

September 2011 to Jan 2013: Wynn Crosby, Dallas, Texas, Vice President, Production Operations. Provide management for 6 office employees, 3field, 47 contract pumpers, and operations engineering for 3 partnerships, operating 310 wells in Texas, Oklahoma, Louisiana, Arkansas, Colorado and Wyoming. Performed numerous workovers, recompletes, stimulations, P&A's and installed two SWD systems. Assist in acquisitions, completing two and setting policies and procedures within the operations department to maximize value of company assets.

May 2011 to August 2011: Consulting for various companies on Production Operations and Reservoir engineering.

Jan 2009 to April 2011: Sovereign Resources LLC. Dallas, Texas, Manager of Operations & Senior Petroleum Engineer. Startup Company and part owner.

May 2008 to Jan 2009: <u>HEP Oil GP, LLC</u>, Gainesville, Texas, Production Engineer. Provide Production and Drilling engineering for HEP properties in Jack, Clay & Cooke counties Texas and all of Oklahoma. Currently drilling wells, installing facilities and surveillance of HEP active, proposed and developing secondary recovery projects.

Jan 2007 to April 2008: Kaiser-Francis Gulf Coast, L.L.C. Tulsa, OK, Production Engineer. Provide Production engineering support for Design and FERC Permit Application for the Black Bayou Gas Storage project located on the Black Bayou salt dome in Cameron Parish, Louisiana. The project will have an initial design capacity of 14.9 Bcf of working gas, with maximum daily injection and withdrawal capacity of 1,200 MMscf/d. District production Engineer for Ardmore District, responsible for all completions and remedial workovers in district.

May 2006 to Dec 2006: Newfield Exploration Mid-Continent Inc., Tulsa, OK, Production Engineer. Provide production engineering and surveillance for 420 wells in the Oklahoma Anadarko & Anadarko Shelf area which are producing 15,000 MCFD and 170 BOPD and 100+ wells in the Oklahoma Arkoma Woodford shale area which were producing 50,000 MCFD. Primary responsibility is analyzing the wells performance and recommending the most economical artificial lift method for maximizing the wells production while minimizing the wells operating cost. Review all wells for recompletion potential and preparing and recommending AFE'S for all well work and facility work in these areas.

1998 to April 2006: VINTAGE PETROLEUM INC., Tulsa, OK, Senior Staff District Engineer. Manage daily production engineering and field operations for three districts containing 874 active wells, producing approximately 5750 BOPD and 8.60 MMCFD. Supervise 30 Vintage field employees at two field office locations. Implemented a major artificial lift review to reduce reoccurring remedial well servicing jobs and reduce electrical consumption on individual wells by an average of 50%. Implemented electronic transmission of daily production reports. Provided monthly well test and run time information electronically to the production allocation and reporting group. Prepared annual field expense forecast used in reserve report and production representative for team identifying annual capital and expense projects for this district. Serve as Vintage liaison to State and Federal Regulatory agencies and landowners. Member of four men Task Force Team that was responsible for visiting Vintages High Cost Operations and identifying significant cost savings and improvement projects. The Team achieved an average 12% cost savings for the US properties and potential 20% savings in the Canadian properties.

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1996 to 1998: KCS MEDALLION RESOURCES, INC., Tulsa, OK, General Manager of Production. Organized company operated properties of approximately 800 wells into 5 operating areas in 8 states, producing approximately 2000 BOPD and 55 MMCFD while complying with state and federal environmental and reporting requirements. Successfully designed and implemented all production facilities, pipelines and compression necessary to place all successful drilling program wells promptly on production. Established the Elm Grove Field production office which has become the anchor property in the Haynesville Shale development. Completed integration of the Enron acquisition of approximately 330 wells, into company operations with the addition of only one office person in the production department. Established production department procedures and systems necessary to provide the appropriate and timely information flow between accounting, land and operations, including the acquisition and implementation of TOW (The Oilfield Workstation) to company operated properties. Coordinated and provided the necessary information on the company operated wells to comply with the KCS Purchase and Sale agreement. Performed a complete Environmental review of all operated properties and implemented the modifications and applications necessary for compliance. Implementing the Federally mandated Title V emissions requirements in California for the company operated properties.

1994-1996: MEDALLION PRODUCTION COMPANY, Tulsa, OK, Director of Production and Project Review. Managed the Medallion California Properties Company leases composed of two fields in California. In one field, performed evaluations and execution of several recompletions to produce shallow gas reserves. Also directed and implemented an evaluation of a potential water flood of the deeper oil zone. The water flood potential proved to be too limited for our economic requirements and therefore we actively pursued prospective buyers and successfully sold the property. The RSF lease was successfully exploited to become one of the top four properties in the company by aggressively improving profitability through LOE cost reductions of approximately 35% and increases in production of approximately 40%. Successfully implemented California's SCAQMD Reclaim air quality emissions program, resulting in an upward adjustment of our NOx emissions allocation from 14,000 lb./yr. to 110,000 lb./yr. and eliminated the continuous emissions monitoring and reporting requirements by successfully modifying the field production operations.

**1992-1994:** THE PROSPECTIVE INVESTMENT & TRADING CO., LTD., Tulsa, OK, Vice-President of Engineering. Provided engineering and operational support for 104 company operated oil and gas wells in Oklahoma, Kansas, Montana, and Wyoming producing approximately 400 BOPD and 3.5 MMCFD. Processed, evaluated and approved all non-operated AFE's and JIB for approximately 1000 non-operated properties. Performed in house the annual reserve report for the company's line of credit with Bank of Oklahoma. Evaluated and implemented two water floods, performed reserve and economic evaluations of all drilling proposals and assisted with numerous acquisition evaluations.

1991- 1992: <u>HEADINGTON OIL CO.</u>, Dallas, TX, Operations Manager. Heading ton Oil Co. had completed three acquisitions involving approximately 500 operated oil and gas wells in California, Colorado, Kansas, Louisiana, Mississippi, Montana, Nebraska, New Mexico, North Dakota, Ohio, Oklahoma, Texas and Wyoming and  $\pm$  4500 non-operated properties. Outside consulting firms were operating the operated properties and managing part of the non-operated properties. My first responsibility was to establish an operations department with procedures and staffing to provide the necessary information to the accounting and land departments and bring operational and engineering management of all operated and non-operated properties back in-house. The operated properties were divided into five district offices with the necessary staffing and contract pumpers to maintain and enhance approximately 2400 BOPD and 18 MMCFPD while complying with state and federal environmental and reporting requirements. Evaluated and identified operated properties to be sold that would improve overall profitability. Performed detailed engineering and supervision of drilling wells, work overs, recompletions, stimulation's, artificial lift and facility modification to enhance operated production, which resulted in the operated properties consistently producing above the engineering projections used in acquiring the properties. Implemented engineering department procedures to approve and process AFE's and Jib's for  $\pm$  4500 non-operated properties. Represented Heading ton to numerous non-operated property meetings including three different unitization projects.

**1989-1991:** NETHERLAND, SEWELL & ASSOCIATES, INC., Dallas, TX, Petroleum Engineering Consultant. Work included oil and gas property evaluations and Reservoir engineering for use by clients in arranging financing, evaluating potential acquisitions or sales, tax and estate planning, Securities and Exchange Commission reporting, analysis of secondary and tertiary recovery projects, drilling and development programs.

1983-1989: PREMIER OPERATING COMPANY, (affiliated with Netherland, Sewell & Associates), Dallas, TX, Operations Manager. Included oil and gas property management and field operations of 522 wells for ten clients in 38 fields located in Colorado, Louisiana, Mississippi, New Mexico, Oklahoma, and Texas; detailed engineering and supervision of drilling, completion's, work over's, stimulation's, facilities design and construction of two water flood projects, state and federal reporting, and permits; property development programs and budgets; Managed and coordinated accounting services including, income distribution, joint interest billings, and lease operating statements.

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**1982-1983:** CORNELL OIL CO., Dallas, TX, Manager of Production Engineering. Supervised production operations of company-operated properties in California, Louisiana, Oklahoma, Texas and Virginia, producing more than 8,000 BOPD and 20 MMCFD, up to 17,000 feet deep. Included detailed engineering and construction of a major water flood upgrade and expansion to 30000 BWPD in the Wasson Field, Yoakum Co., Texas. Also prepared pilot field area for carbon dioxide injection.

**1981-1982:** <u>CORNELL OIL CO.</u>, Dallas, TX, Chairman of Engineering Committee for the Bravo Dome Working Interest Owners Pipeline Management Committee. Chairman of the engineering committee which awarded the design and construction contract for the Bravo Dome carbon dioxide pipeline. Member of Cornell's exploration committee to evaluate and approve all exploration and development drilling with budget of \$20 million per year.

**1980-1981:** <u>CRYSTAL OIL COMPANY</u>, Shreveport, LA, Engineering Technical Advisor to Vice President of **Production**. Responsible for trouble shooting and providing technical management of all production engineering and field operations.

**1979-1980:** <u>CRYSTAL OIL COMPANY</u>, Shreveport, LA, Project Manager for developing economic massive hydraulic fracture of Cotton Valley deep tight gas reservoir in Arkansas, Louisiana and Texas. Project engineer corporate office responsible for all production engineering and operations in Colorado, Wyoming, North Dakota, Michigan and Indiana.

**1978-1979:** CRYSTAL OIL COMPANY, Shreveport, LA, Assistant District Superintendent and District Engineer. Supervised three engineers, two engineering technicians, five clerical personnel and 65 field employees. Responsible for district operations and productions and production engineering for 4,000 BOPD and 25 MMCFD production from 650 wells in 48 fields in four states (Arkansas, Louisiana, Mississippi and Texas).

**1977-1978: EXXON COMPANY U.S.A.**, **New Orleans, LA, Division Corrosion Engineer.** Responsible for surveillance and evaluation of all inland and offshore corrosion programs.

**1976-1977:** EXXON COMPANY U.S.A., Harvey, LA, Surface Project Engineer. Responsible for facility design and implementation of Exxon's first polymer flood in the West Yellow Creek Field, Mississippi.

**1975-1976:** EXXON COMPANY U.S.A., Harvey, LA, Subsurface Associate Project Engineer. Responsible for detailed work over procedures, cost estimates and supervision of work over operations on land and inland waters in Louisiana and Mississippi.

## EDUCATIONAL/PROFESSIONAL

Bachelor of Science Degree with high honors in Mechanical Engineering, Auburn University, Auburn, Alabama. Graduated First in Mechanical Engineering Class. Member of Tau Beta Pi, Pi Tau Sigma and Phi Kappa Phi. Member of Society of Petroleum Engineers.

Industry Schools: Lufkin SROD rod pump optimization and Design, Schlumberger-Log Interpretation and Applications, Oil and Gas Consultants International, Inc., Reservoir Engineering; Southern Methodist University's Developing Supervisory Leadership Skills; SPE Fundamentals of Reservoir Engineering; Exxon School's for Surface Engineering, Industrial Fire Fighting, Subsurface Engineering, Work over Planning and Implementation, BOP and Stripping, Economics and Technical Writing. Echometer schools on Dynamometer and Fluid level analysis. Baker Hughes schools on Drilling and Bit selection. PCS Ferguson's school on Gas lift and Plunger lift.

## References

Bill Warnock, President & CEO, SOHO Energy	918-516-0101
Matt Griffin, President Griffin Oil and Gas	918-640-2505
Bruce Hesson, California District 2 Deputy, Division of Oil & Gas.	805-654-4761
David Harbor, President, Delta Oil and Gas,	918-599-9800
Bill Simms, Senior Construction Specialist, BHP Billiton	318-423-1284
Ken Bielman, Superintendent, Newfield Exploration Mid-Continent Inc.	918-237-1054
Dennis Branton, President, Branton Oil Tools	318-742-4487
John D Rodgers, Production Manager, Wagner Oil Company	817-821-7370