

Resume` and Work History

Michael E. Payne

7366 E March Road
Woodlawn, IL 62898
618-735-2127 (H) 618-214-5515 (C)

Summary of qualifications

Payne Energy & Aviation Consulting, LLC (AKA PEAC, LLC), June 2018-present

Woodlawn, IL 62898

Providing energy industry consulting services including oil and gas property evaluation to banks and other financial institutions. Services include drilling and completion engineering support, equipment and facility design, troubleshooting, fluid level and dynamometer evaluation of pumping wells. Currently serving 9 active clients nationwide. HazWoper, OSHA 10, and H2S compliant. Certified commercial pilot with instrument rating. Commercial UnManned Aircraft Systems (drone) certified with available drone aircraft.

Shawnee Oil Company, LLC January 1, 2019-present

Carmi, IL 62821

Vice President of Engineering & Field Development for developing oil company in the Illinois Basin. Producing property reserves management, acquisitions and divestitures, evaluation and appraisal of valuation of properties operated by Shawnee Oil Company. Engineering management and support for drilling & completion, recompletion and workover. CAPEX drilling and development projects and budgets within Shawnee's operating area.

Countrymark Energy Resources, LLC, 2013-June 2, 2017

Mt. Vernon, IL 62864

Business/Field Operations Manager for Illinois-Michigan District. Duties included supervision and management of field employees and Mt. Vernon office employees. Equipment and facility maintenance projects and AFE preparation, with economic evaluation. Well workover and recompletion project AFE preparation, adding additional reserves and production. Integral contributor to the Capital Projects program. Contributed to company Balanced Score Card goals of base production maintenance by reducing well downtime approximately 50%, getting new completions on line within 2-3 days of well rig work completion, and working with Field Supervisors to reduce expenses in field operating areas. Self-improvement training including attending company sponsored Coaching Clinic and self-initiated Leadership continuing education.

Continental Resources, Inc., 2006-2012

Mt. Vernon, IL 62864

Vice President of Operations 2006-2009, Engineering/Operations Manager-Eastern Region 2010-2012 (full integration to CRI corporate), responsible for day to day decisions regarding production operations and project engineering. Evaluation and successful acquisition of three core CRI-Eastern Region producing properties, adding reserves and production, and expanding CRI presence in Indiana and Kentucky.

Identify, recommend, design, and implement Enhanced Recovery Surfactant Polymer EOR Project for West City Unit in conjunction with TIORCO. Implemented the Nation Road Unit waterflood, a successful Renault reservoir secondary recovery project. Responsible for hiring operations staff, including engineers and field employees for Illinois, Indiana, and Kentucky. Prepare and compile Eastern Region annual CAPEX budget including drilling, recompletions/workovers, facilities, operations, G&A, IT, and acquisitions. Provide Safety coordination for Eastern Region program including presentations and reporting. Continue other duties as performed for Continental Resources of Illinois, Inc.

Continental Resources of Illinois, Inc., 2001-2006

Mt. Vernon, IL 62864

As Reservoir Engineer, perform reservoir analysis for acquisition and economic analysis, waterflood development, installation, optimization, monitoring and reporting. Generate detailed reports on analysis performed and justification of recommendations. Oil and Gas Reserves reporting utilizing PhDWIn™ software in conjunction with CRI-Reservoir Development for the company wide reserves report. Recommendation of well treatments and completions, preparation of Authorization for Expenditure documents, outsourcing and acquisition of bids from third party vendors.

Used Geo-Graphix mapping software to generate pipeline/flowline topo maps for all Kentucky properties and aerial maps of Illinois properties. Monitor ROLO data by wells and areas using SSI accounting software to detail expenses and production data for operated and non-operated properties. Prepare acquisition economic evaluations for VP of Operations using PhDWIn™ software. Evaluate/inventory properties in the field for potential acquisition.

Prepare and complete assigned area AFE's and recommendations for CRII annual workover program. The annual workover program had an average ROI of 16.4, adding an average of \$2.4 MM/year net PV10 to company reserves value.

Assist in support of Engineering and Accounting computer network hardware and software. Establish network routing and accessibility for desktop computers, local and network printers, network added storage devices, internet mail and the web. In collaboration with IT personnel, design, procure and install various hardware configurations, including, desktop computers, servers, ethernet switches and hubs, printers and plotters, personal backup devices, and data storage. Software rollout, installation, and support to network and non-network desktops. Provide data for generation of annual IT budget. Currently provide limited IT support for computer users in Mt. Vernon, IL, West City, IL, and Owensboro, KY offices by assisting IT personnel.

Farrar Oil Company, 1997-2001 (Sold to Continental Resources of Illinois, Inc.-2001)

Mt. Vernon, IL 62864

As a Production Engineer, performed reservoir analysis for acquisition and economic analysis, waterflood optimization, installation, monitoring and reporting. Generate written reports detailing reservoir analysis performed and justification of recommendations. Reserves reporting utilizing OGRE™ software. Recommend/supervise well treatments and completions.

Dowell Division of Schlumberger Technologies, Inc. 1980-1997

Mt. Carmel, IL 62863

Served as a Design and Evaluation Service for Clients (DESC) Engineer at Texaco's Salem, IL Operating Unit. Responsible for reservoir evaluation, candidate recognition, and execution/evaluation of well treatment design as part of a national alliance.

Experience also includes cement and stimulation lab, performing API Cement testing and water analysis.

Responsible for location EPA compliance and HSE monitoring and training from 1988-1995. Certified HazMAT Technician (40 hours training + annual recertification) at Incident Commander level. Company certified Driver Trainer, First Aid and CPR instructor.

Education

University Of Evansville, 1976-1980 *Evansville, IN*

Bachelor of Science/Business. Personnel Management Major, GPA 3.38/4.0

University of Tulsa *Tulsa, OK*

Reservoir Management for Stimulation Engineers (1994)

Dowell sponsored Petroleum Engineering Course included the following: Principles of Geology, Rock Properties, Petroleum Fluid Properties, Well Log Analysis, Reserve Estimates/Balance, Pressure Transient Analysis, Reservoir Simulation, Economics, and Completions/Operations. This six-week course covered approximately 2 semesters of Reservoir Engineering Course work.

Dowell Field Engineer Program *Kellyville, OK*

Completed Field Engineer Course in 1988 which included well construction design, cementing design, fluid dynamics, cement and stimulation lab testing, stimulation theory, completion design, rock mechanics, and fluid mechanics. This 5-week course covered approximately 1 semester of Petroleum Engineering principles.

Professional experience

PEAC, LLC/Shawnee Oil Company, LLC/Countrymark Energy Resources/Continental Resources, Inc. /Farrar Oil Company

In 25+ years with /Countrymark Energy Resources, LLC/Continental Resources, Inc./Farrar Oil Company, experience was gained in engineering and management of employees in all phases of oilfield operations. Experience was also utilized in waterflood design and installation using engineering analysis to optimize recovery from the reservoir using the information available and any applicable new technology or technique. Determination of oil in place, floodable reservoir area, generation of isopach maps, and recovery pattern leading to a recoverable oil volume for calculation of project economics were performed. Perform limited reservoir modeling in conjunction with Geology/Exploration department. Recommended completion and stimulation procedures for workovers of existing and new wells. Supervision of these workovers when necessary. Recommend casing cementing procedure for new wells, as well as remedial cementing of existing wellbores. Support office computer system trouble-shooting, system maintenance and component repair.

Dowell

16+ years experience with Dowell, with 6 years experience in well design and completion engineering. Utilization of candidate recognition software to recommend well stimulation treatments and completions. This software includes nodal, material balance, production, well log, pressure transient, and economic analysis. Perform computer aided design of acidizing, cementing, fracturing, and coiled tubing treatments, along with real-time data fracturing analysis to determine/confirm reservoir parameters.

Responsible for DOT Driver Training and certifications, accident investigation and reporting, environmental compliance, reporting, and training; Sara Title III reporting, storm water monitoring, and permitting.

Provided OSHA required training, Lockout/Tagout, SCBA, Fork Truck, CPR and First Aid. Also developed annual training program and provide driver training and certification for new employees.

Utilized process mapping, root cause, and cost drivers analysis to improve processes relating to Texaco/Dowell alliance. Process and report metrics on alliance success.

Field Engineer development program that included: experience in supervision of wellsite operations, performing API cement lab tests and oil analysis, fracturing fluid quality control, facility safety and environmental compliance and reporting, mentoring of new engineers.

Publications

Co-author of SPE 57437, "Integrated Reservoir Evaluation Revives Nearly Abandoned Illinois Basin Field". Presented this paper at the SPE Eastern Regional meeting in Charleston, WV on October 20-22, 1999, and was a featured article in SPE's "Journal of Petroleum Technology" in February 2000.

Co-author of SPE 39212, "Evaluation of Completion Techniques in Salem Formation Using Real Data Fracturing Analysis". Presented this paper at the SPE Eastern Regional meeting in Lexington, KY on October 22-24, 1997.

Professional memberships

Illinois Oil & Gas Association Member, IOGA Petroleum Professional of the Year Award 2011

Illinois Oil & Gas Advisory Board, 2007-2015, Chairman 2009-2015

Indiana Oil & Gas Association Member, currently member of the Board of Directors

Illinois Petroleum Resources Board of Directors, 2015-2017, 2020-present

Society of Petroleum Engineers-Illinois Basin Section 25-year member. Section Scholarship/Membership Chairman 1996-97, SPE Section Chairman 1998-1999 & 2012-2015, Section Program Chairman 2006-2012, 2021-2022

Mt. Vernon Petroleum Club

Community/Industry activities

SPE eMentoring Program Volunteer, mentored young SPE member in Nigeria for 1 ½ years

Active Licensed Ordained Minister

FAA Certificated Commercial Pilot-single engine land category with instrument rating

FAA Certified Advanced Ground Instructor

IPRB Teachers Conference Engineering Speaker, 2010-2022

Presentations to Heartland Desk & Derrick, Mt. Vernon Rotary and Kiwanis clubs representing the petroleum industry

References

Available on Request