

William Dokianos

Mr. William (Bill) Dokianos has over 35 years' experience in engineering, production and pipeline. He is a Professional Engineer in the states of Louisiana and New Mexico, and holds a General and Commercial Contractor License in the State of New Mexico. Over the last 7 years he has been instructing for PetroSkills|John M. Campbell. He instructs the PF4 course, "Oil Production and Processing Facilities". He has actively consulted over the past 10 years with ExxonMobil, Shell Exploration and Production, Sandridge Energy, Repsol and Chevron.

His onshore consulting has focused on optimizing production utilizing casing gas systems, vessel and battery design, revising gun barrel design for better separation, production optimization and production troubleshooting (bad oil and or bad water).

His offshore experiences include analyzing and solving poor platform up time at GB 128, GC 65 and other offshore locations. Activities included process control changes due to stacked separator vessels, revising safe charts, operating settings and reconfiguration of pipeline export pumps. He managed a subsea tieback project in which the platform modifications included high pressure vessel redesign, dehydrator expansion, adding a second vapor recovery unit, restaging high pressure and intermediate gas compressors and modifying bulk oil process design.

He has been responsible for DOT compliance activities and reporting. This compliance responsibility has included development and implantation of federal risk programs and smart pigging. Mr. Dokianos holds a Bachelor of Science in Electrical Engineering from Wayne State University in Detroit, Michigan.

PROFESSIONAL EXPERIENCE

2005–Present

Independent Consultant

Published and presented SPE paper 173593, [A Simplified Approach to Sizing 2 and 3 Phase Separators for Low GOR, Low Pressure Onshore Production Batteries.](#)

Developed optimization strategy for salt water disposal well infrastructure, maximum capacity for individual salt water wells, chemical testing program and optimization program or salt water disposal wells.

Developed priority risk decisions for managing risk for Shell E&P, onshore, offshore drilling, onshore and offshore operations.

Startup of Kazamba B for ExxonMobil – specifically coordinated Angolan staff development for taking over day to day operations.

Developed solutions for existing production batteries to eliminate poor oil dehydration. (Mississippian Lime and Permian Basin)

Designed next generation vessels to reduce battery costs and maximize oil production. (Mississippian Lime and Permian Basin)

Developed casing gas facilities to maximize oil production and minimize well slugging. (Mississippian Lime and Permian Basin)

Developed trained personnel and implemented ISO 9001 program for SPLC Gulf Coast Region for Crude Oil Measurement.

Developed Union Negotiation strategy for 2005 contract with USW/PACE.

Developed implementation process for meeting DOT adopted API 1162 and 1166 guidelines on Community Awareness and One Call Response.

Developed US wide maintenance program to dovetail with Royal Dutch global requirements.

Developed US wide internal surveillance and audit program to insure compliance with US DOT requirements.

Developed Engineering and Maintenance program to insure correct design procedures, setting, field inspection process and documentation for full flow relief valves using an external source such as N2.

1999–2004

Shell PipeLine LLC., Gulf Coast Region, New Orleans, LA

Technical Manager

Responsibilities included:

- Responsible for Capital and Special Maintenance budgets and expenditures for the region. Capital and Special Maintenance Budgets totals \$60MM.
- Coordinated all budget preparation activities including operating, capital and special maintenance budgets. Responsible for justification and presentation of budget for approval
- Responsible for all Engineering, Engineering support to operations which included all maintenance personnel, corrosion personnel, measurement analysts and project activity.
- Total number of personnel reporting to me was 169. Total personnel count in region was 320.
- Responsible for DOT compliance activities and reporting. This included development and implantation of federal risk programs and smart pigging.
- Responsible for establishing natural work groups to solve operations and organizational issues such as crude quality or staffing requirements.
- Responsible for final decision for all regulatory settings on pipeline systems in the region.
- Led Contact Negotiation team for 2002 contract with represented workforce (USW/PACE)
- I retired from Shell on December 31st, 2004.

1995–1999

Shell Offshore, New Orleans, LA

Staff Engineer – Technical Support

Responsibilities included:

- Project completion for GC 65 expansion project, 40MBD to 100MBD. Project required hard start up date for Troika subsea tieback. Project was ready for start up prior to contract date.
- Developed start up plan and training documents for operating personnel.
- Debugged process design and modified vessels, heat medium system and controls for additional Troika expansion to 120MBD.
- Managed Angus subsea tie back project at GC 65. This project expanded the platform to 140MBD. Platform modifications included high pressure vessel redesign, dehydrator expansion, adding a second vapor recovery unit, restaging high pressure and intermediate gas compressors and modifying bulk oil process design. This project also had a hard start date which was met.
- Analyzed and solve accelerated failure rate of Mar's low pressure gas compressor motors.
- Analyzed and solved poor platform up time at GB 128. Activities included process control changes due to stacked separator vessels, revising safe charts, operating settings and reconfiguration of pipeline export pumps. Platform uptime went from shutting in daily to exceeding 30 days without a shut in.

1993–1995

Shell Pipeline Corp., New Orleans, LA

Technical Manager- Gulf Coast Division

Responsibilities included:

- Direct supervision of division engineers (13), drafting (2), measurement group (3), communications (1), corrosion group (5) and HSE group (5),
- Responsible for the execution of the Divisions Special Maintenance and Capital Budgets
- All Division Regulatory Compliance record keeping and reporting to state and federal agencies,
- Staff development.

1989–1992

Shell Pipeline Corp., New Orleans, LA

Staff Engineer

Responsibilities included:

- Technical Support to Operations which included training and qualifying craft personnel on apparatus,
- Confirming and developing protective settings for safe operating limits of pumps, motors and tanks.

- Manage capital and special maintenance budgets for electrical and instrumentation projects,
- Train newly hired engineers in Technical Support to Operations and project execution.
- Project design, management and start up of two offshore engine driven pump station automation projects.

1980–1988

Shell Western E&P, Houston, TX

Senior Engineer

Start up of test CO₂ plant at Yellow Jacket 5.

Start up of Yellow Jacket and Hovenweep Compressor and Dehydration plants.

Project design, management and start up of next generation compressor and dehydration plants, Moqui 1.

Project Management of 115KV electrical feeder system for above plants.

Train operating personnel on plant apparatus, 5000 HP synchronous motors, 5000 HP reciprocating compressors, glycol contractors, high and low pressure separation systems.

Manage design and construction to remotely control compressor stations from central location.

Responsible for project design, management and start up.

Expansion of East Line originating station, 3500 HP pump, motor, electrical apparatus, custody transfer meter addition and 150 HP charge pump.

New intermediate pump station on the Hope Houston pipeline. Facilities included a 10000 bbl crude oil tank, 200 HP PD pump, motor and apparatus and custody transfer measurement system.

New NGL meter station and pump station at Houston Central Gas Plant

Start up of Ethylene compressor stations at Mt. Belvieu and Napoleonville.

Modify control systems on pumps, dehydration systems and brine water systems at Sorrento Dome.

- Design, project management and start up of Electrical and Instrumentation systems for Cortez Pipeline.
- Line fill and startup of Cortez Pipeline.

1973–1979

Chrysler Corporation, Michigan

1978–1979: Instrumentation Supervisor – Dynamometer Lab

Responsible for direct supervision of 5 Instrumentation Technicians and 110 Eddy Current Dynamometers. System responsibilities included:

- Device calibration scheduling.
- Data acquisition interfaces to central computer systems.

- Interface with Engine and Transmission Development Engineering Groups on scheduling, testing and record requirements for engine and transmission tests.

1976–1978: Facility Engineer

Assigned to Group Facilities to manage major projects during model changeovers at Lynch Road Assy., Jefferson Ave. Assy. and Belvidere Assy. Projects included:

- Installation, start up and training of personnel on robotic welding centers.
- Modify floor and overhead steel systems to accept new floor and overhead conveyor systems. Startup and synchronize conveyor systems.
- Manage revamp of Paint shop.
- Facilities included new Bink's Spray gun assemblies, car code programs and interface to car scheduling computer system.

1973-1976 Facility Engineer

Project Management, Support Craft and Assembly operations.

- Design and install conveyor systems, sludge water systems and weld water systems. Revamp Body shop from manual welding operations to robotic welding.
- Support craft personnel in troubleshooting numerical control equipment, paint systems, conveyor synchronization and other apparatus.

1970–1973

Mark Engineering Company, Michigan

Machine Tool Builder

Build, install, start-up and train third party employees on multi stage machining centers. Responsibilities included:

- Hook up and troubleshooting of pneumatic, hydraulic and electrical controls.
- Machining, fitting and fabrication of machine components.
- Scheduling work flow of machine components thru machine groups such as Milling dept., Grinding dept., Lathe dept. and Heat Treat.
- Machine types included Crankshaft qualifying and machining center, cam shaft qualifying and machining center, engine block and engine head coring machines.

EDUCATION

Wayne State University, Detroit, Mi.

Bachelor of Science Electrical Engineering

PROFESSIONAL REGISTRATION AND AFFILIATION

Professional Engineer in the states of Louisiana and New Mexico

General and Commercial Contractor License in the State of New Mexico, GB 98