

Name: JEFF A. MATNEY jeff@oceanfrontengineering.com (805) 290-5435

Title: President/Engineering Director of Oceanfront Engineering Inc.

Education: AA, 1977, Nuclear Quality Assurance Engineering  
Texas State Technical Institute

Special Training: Nuclear Physics, Destructive & Non-Destructive  
Nuclear Power Plant Equipment Inspection  
Turbines, Pumps, Compressors  
Hard Hat Commercial Diver to 300 feet (Saturation/Gas)  
Forensic Science, Expert Witness Training, Crash Testing,  
Vehicle Dynamics, Death Investigations, Acceleration Values,  
Rotating Equipment Turbines, Pumps, Compressors, Expander

Certifications: Nuclear Level II in Mechanical Engineering  
Nuclear Level II in Welding  
Nuclear Level II in Ultrasonics  
Nuclear Level II in Radiography/X-Ray  
Nuclear Level II in Liquid Penetrant  
Nuclear Level II in Magnetic Particle  
Nuclear Level II in Coatings  
Nuclear Level II in Nuclear Codes and Standards  
Hard Hat Diver to 300 feet seawater

Affiliations: Pile Drivers, Carpenters & Divers Union-San Diego  
Academy of Underwater Scientists

**POWER PLANTS, OIL & GAS, NUCLEAR:** Mr. Matney has thirty three years of experience in equipment and jobsite inspections and engineering activities at Nuclear power plants, Refineries, Chemical plants and Off-shore oil platforms. This includes non-destructive testing Level II Nuclear Certified and diagnostic analysis for rotating, mechanical, structural, and critical power plant equipment. Electrical experience includes large AC and DC Motors, Transformers, Motor Control Centers and Control Panels. Witness testing of large control systems, Nuclear Steam Turbines, GTG-Gas Turbine Generators and Compressor systems up to 470,000 horsepower. Involved with large, API centrifugal, forged body pumps driven by large motors, steam or gas turbines. QA Engineer on world's largest "high energy" pumps for Shell offshore URSA. Experienced with API 6A and API-14D wellhead equipment, BOP and Christmas tree valves for offshore applications. Clients included Shell, Exxon, Foster Wheeler, Woodside, British Petroleum, Conoco Phillips, Chevron, Alstom Turbines, Enterprise, Bechtel, CBI, Bureau Veritas, ABS, GL, GTI, DTI, BLD and Fluor for various offshore platforms, power plants, chemical plants, geothermal plants and nuclear power plants.

**MILITARY WORK:** Military projects include commercial diving, quality assurance and quality control for underwater facilities, mechanical, structural, civil, electrical, pylon driving, concrete placement, reinforcement bar placement and non-destructive testing applications for projects including: Pier J-K North Island Naval Air Station, SEOC/Sierra Pier Navy Submarine Base-Point Loma, Deperming Pier-Sub Base, Pier 12 at 32<sup>nd</sup> Street Naval Base, San Diego, Bachelor and Officers Dorms in Camp Pendleton, Marine Air Corp Executive Headquarters-El Toro Marine Air Corp.

**EXPERT WITNESS/FORENSIC SCIENCE:** Fifteen years of experience in forensic science and accident reconstruction with respect to safety surveys for commercial industries, cargo ship inspections, personal injury and automobile crashes, equipment failure analysis and environmental impact studies. Special courses were taken in Crash testing, Commercial vehicle dynamics, Braking efficiency, and Bio-Mechanics.

Representative assignments include QA Engineering, Nuclear & Diving Services for the following projects:

Worlds Four Largest Offshore Oil & Gas Platforms-Thunderhorse, Mad Dog, Holstein, Atlantis-BP, Worked numerous Shell Offshore, Chevron Offshore and Exxon Offshore projects with respect to all major equipment inspections and testing for the Platforms. Included all rotating equipment, turbines, pumps and compressors.

Nuclear Power Plant equipment inspections for Bechtel Corporation include: Testing of Steam Generators, Pressurizers, Pressure Vessels, Nuclear Piping Class I, II, III, Nuclear Pumps (Boiler Feeds, Safety Pumps, Transfer Pumps, Turbine Pumps, Nuclear Snubbers and Nuclear Valves. Familiar with ANSI N45.2, 10CFR50, ISO-9001

World Record Deep-Sea Satellite Well System-Offshore Spain Chevron Overseas. Wellhead equipment includes Christmas Trees, Blow out Preventers, Sub-sea Chemical valves, Deep sea ball valves, Research sub-sea hyperbaric chamber valves and control systems. Vendors included Cameron, NL Shafer, Hughes Offshore and others for the Chevron Spain operations.

Multiple Compressor/Turbine Packages – General Electric, Solar Turbines, Mycom Compressors, Ingersoll Rand, KEC for Clients: Petrobras, Pemex, Shell, BP, Conoco-Phillips with Special Allen Bradley Controller equipment and auxiliary computer systems. Titan 130, Mars 100, Taurus 70, Saturn 30, Mercury 20.

Multiple Pump Projects – Flowserve, Gould, Shell / Conoco / Chevron / Citgo / Exxon-Mobil Kazomba. Included all Gould Controllers and Remote TI, PI and Vibrations

**Current Employment History:** Oceanfront Engineering Inc.1986 – Present

**Summary:** [PRESIDENT & ENGINEERING DIRECTOR](#) for Oceanfront Engineering Inc. representing major Engineering, Oil & Gas, Attorneys, Insurance Firms and Manufacturing companies worldwide. Providing expertise in the inspection, expediting, project management, cargo and Port container inspections and testing of major equipment for large Nuclear & Commercial construction projects. Gas Turbine Generators from General Electric LM25, and Solar Turbines: Taurus, Mars, Saturn, Titan units. cranes, wellheads, drilling equipment, high speed pumps for cryogenic service, and diving projects involving offshore platforms, bridges, piers and Navy programs. Provide Expert Witness research, discovery and analysis for Auto Crashes, Motorcycle Crashes, PI Cases for Attorneys/Insurance.

Previous Employment History: Chevron Oil Company 1980 – 1986

**Summary:** Senior Quality Assurance Engineer:  
Mr. Matney was promoted to head the Houston office in March of 1984. As manager of the Houston, Texas office, provided technical expertise to the Chevron group of companies world-wide for equipment inspection, expediting and testing for the following operations: Refineries, chemical plants, offshore oil and gas platforms, research and development programs, drilling and exploration, and diving technology. He traveled extensively to Europe and the United States for these projects.

Mr. Matney managed all major contracts and personnel for the above operations including budget analysis, payroll and accounting, supervision of over 60 employees and technical consultants, meetings and conferences for multi-billion dollar projects, and technical training for Chevron employees.

Previous Employment History: Chevron Oil Company 1980 – 1986

Quality Assurance Engineer:

Four years of experience as the Lead Quality Assurance Engineer for rotating equipment, pressure vessels, structural, Modicon & Allen Bradley Computer Controller for GTG, Turbo-Expanders and Centrifugal Oil Shipping Pumps and API-6A and 14D wellhead equipment. Also included were: skid fabricated equipment for refineries, chemical plants, drilling and exploration, and offshore platforms. Non-destructive testing of all major equipment, including casting and forging mills, pumps, turbines, compressors, valves and exotic piping. Familiar with alloy materials: hastelloy, zirconium, tantalum, titanium, super duplex stainless steel, inconel and monel.

Mr. Matney attended management meetings for multi-billion dollar projects for QA expertise and budget preparations. He was active in scheduling and negotiating contracts with technical consultants for large projects, and visited over 500 manufacturing facilities world-wide for as a Shop Surveyor and Technical Specialist for a variety of equipment for the Chevron group of companies.

Lead QA Engineer for all Chevron research and development projects including the World Record, Deep Sea, Satellite project off the coast of Spain, the Tension Leg Platform proto-type project off California and the Offshore Platform projects: EDITH, ESTHER, HERMOSA, HIDALGO and GAIL. Established the technical procedures, inspection and test plans and review and audit of quality assurance/quality control manuals for Chevron and related manufacturing companies.

Bechtel Power Corporation 1977 TO 1980  
Supervisor Supplier Quality Representative:

Quality Assurance Engineer and non-destructive testing specialist for Bechtel's Nuclear Power plants including: San Onofre in San Clemente, CA., Palo Verde Nuclear Generating Station in Phoenix, AR., Susquehanna Nuclear Station in Pennsylvania, Midland Power in Michigan and Taiwan Nuclear Power in Taiwan.. Traveled extensively to Europe and the U.S. to provide inspection and testing for major mechanical and electrical equipment required for Nuclear Power Plants. Lead auditor for nuclear facilities in accordance with 10CFR50 and ANSI N45.2. Investigation analysis for equipment failures and expert witness for commercial accidents and safety incidents for nuclear power plants and equipment as manufactured in vendor facilities.

## References:

Mike Evans, Supervisor-Bechtel Engineering Tel: (713) 540-7157

Tina Benac, QA Engineer, Control Components Tel: (949) 888 4169

Jim Hassenboehler, Project Engineer-Shell Oil Co. Tel: (504) 728-7169

## Major Projects Involvement:

## Bechtel Power Corporation

Project Name	Type Of Facility	Estimated Cost
San Onofre	Nuclear Power Plant Upgrade	400 Million
Palo Verde	Nuclear Power Plant, Arizona	2.2 Billion
Midland Power	Nuclear Power Plant, Michigan	1.4 Billion
Midland Power	Nuclear Power Plant, Michigan	1.4 Billion
Susquehanna	Nuclear Power Plant, Penns.	1.5 Billion
Taiwan Power	Nuclear Power Plant, Taiwan	1.7 Billion
TVA Watts Bar	Nuclear Power Plant, Tenn.	1.2 Billion

## Chevron Oil Company

Project Name	Type Of Facility	Estimated Cost
Platform Edith	Offshore Platform, Calif. Chevron	700 Million
Platform URSA	Offshore Platform, GOM Shell	1.1 Billion
Platform Hermosa	Offshore Platform, Calif. Chevron	850 Million
Platform Hidalgo	Offshore Platform, Calif.	900 Million
Platform Gail	Offshore Platform, Calif.	1.2 Billion
Casablanca Plat.	Offshore Platform, Spain	900 Million
Montanazo Sub-Sea Satellite	Sub-Sea Satellite, Spain	80 Million
T-Horse, Mad Dog, Holstein	QA Manager Chevron Offshore Platform, GOM British Petroleum	3 Billion each
El Segundo	Refinery Upgrade, Calif.	250 Million
Pascagoula Ref.	Refinery Upgrade, Miss.	800 Million
Platform Mars	Offshore Platform, GOM Shell	1.2 Billion

## Oceanfront Engineering Inc.

Project Name	Type Of Facility	Estimated Cost
Star Refinery	Tex Refinery, Grass Roots QAE	1.5 Billion
BP Pompano	Offshore Platform & Cathode Anodes QA Engineer	750 Million
Shell Auger	Offshore Platform QA Engineer	1.1 Billion
Conoco Polar Lights	Onshore Refinery, Russia QA Engineer	800 Million

BP Lima Refinery	Chemical Plant In Ohio	QAE	400 Million
LurgiAcetic Acid	Acetic Acid Plant, China		750 Million
Israeli LNG	Sub Sea Pipeline Installation		600 Million
Subsea	Chief Dive Engineer		
Sonatrach	Ethylene Plant Algeria		500 Million
Algeria	QA Engineer		
Exor 1 And Exor 2	Ethylene Plants In Indonesia		900 Million
	QA Engineer		
Gb-260 Pipeline	Amerada Hess Platform		700 Million
	Rotating QA Engineer		
Ras Laffan Gas	JGC, Liquefied Natural Gas		650 Million
	Specialist Cryo Engineer		
Baytown Refinery	Noram Eng. Refinery Upgrade		200 Million
	QA Inspector		
Tgs Cerri Plant	B&R, Refinery Expansion		150 Million
	QA Engineer		
Pier 12	U.S. Navy, Large Pier Project		40 Million
	Chief Dive Engineer		
Sierra Pier	U.S. Navy, Submarine Facility		15 Million
	Quality Assurance Manager		
Pier J-K	U.S. Navy, Air Craft Carrier Pier		12 Million
	Chief Dive Engineer		
Deperming Pier	U.S. Navy, De-Magnetization		18 Million
	Pier-Underwater Dive Inspector		