



OCEANFRONT ENGINEERING INC.

Inspection, Testing & Diving Services

Curriculum Vitae for Jeff A. Matney

SUMMARY OF EXPERIENCE

- **THIRTY ONE YEARS OF EXPERIENCE IN NUCLEAR POWER PLANT, REFINERY, CHEMICAL PLANT AND OFFSHORE OIL PLATFORM EQUIPMENT INSPECTIONS, QUALITY ASSURANCE AND ENGINEERING. INCLUDES NON-DESTRUCTIVE TESTING AND DIAGNOSTIC ANALYSIS FOR ROTATING, MECHANICAL, STRUCTURAL, AND CRITICAL POWER PLANT EQUIPMENT. LEVEL II CERTIFICATIONS FOR UT, PT, MT, RT, ET, VISUAL.**
- **TWENTY YEARS OF EXPERIENCE MANAGING HIGH PROFILE, RESEARCH AND DEVELOPMENT PROJECTS INVOLVING OFFSHORE OIL AND GAS PLATFORMS, SUB-SEA DIVING OPERATIONS, REFINERY AND CHEMICAL PLANT EXPANSIONS. MANAGED OVER FIFTY ENGINEERING CONSULTANTS.**
- **SEVENTEEN YEARS OF EXPERIENCE WITH FORENSIC SCIENCE AND EXPERT WITNESS RESEARCH AND INVESTIGATIONS INVOLVING FAILURE ANALYSIS, MATERIALS ENGINEERING, MECHANICAL AND STRUCTURAL DESIGN AND CONSTRUCTION FAILURES, ACCIDENT RECONSTRUCTION FOR MARINE AND MAJOR INDUSTRIAL ACCIDENTS OF VARIOUS TYPES.**
- **ELEVEN YEARS OF EXPERIENCE IN DEEP-SEA DEVELOPMENTS FOR BRIDGES, DAMS, PIERS, MARINAS, OFFSHORE OIL AND GAS PLATFORMS AND TESTING ASSOCIATED WITH THESE VENTURES. EXTENSIVE WORK WITH THE UNITED STATES NAVY FOR SUBMARINES AND NAVAL BASE APPLICATIONS INVOLVING CLASSIFIED AND SECRET PROJECTS.**

ASSOCIATIONS AND MEMBERSHIPS:

CERTIFIED HARD HAT DIVER TO 300 FEET
PILE DRIVERS, CARPENTERS & DIVERS UNION
ACADEMY OF UNDERWATER SCIENTISTS
FORENSIC CONSULTANTS ASSOCIATION OF CALIFORNIA
AMERICAN SOCIETY FOR TESTING AND MATERIALS
CERTIFIED "INSPECTION AUTHORITY" PFIZER LTD.

PUBLISHED ARTICLES AND JOURNALS:

"NON-CONFORMANCE CONTROL FOR NUCLEAR RELATED EQUIPMENT"
"NON-DESTRUCTIVE TESTING FOR DEEP SEA APPLICATION"
"EQUIPMENT QUALITY ASSURANCE PROCEDURES FOR OFFSHORE PLATFORMS"
"DIAGNOSTIC ANALYSIS FOR START-UP OF ROTATING EQUIPMENT"
"QUALITY ASSURANCE PRINCIPLES FOR TURBINES, COMPRESSORS AND PUMPS"

EDUCATION AND TECHNICAL TRAINING:

GRADUATE: CORONADO HIGH SCHOOL, LUBBOCK, TEXAS IN 1973.

GRADUATE: COMMERCIAL COLLEGE, LUBBOCK, TEXAS IN 1974, COMPUTERS.

GRADUATE: TEXAS STATE TECH., WACO, TX. NUCLEAR ENGINEERING AA, 1977

GRADUATE: GUILFORD COLLEGE, N. CAROLINA, BUSINESS ADMINISTRATION, 1978

TECHNICAL SCHOOLS FOR NON-DESTRUCTIVE TESTING

ULTRASONICS, LEVEL II	DUPONT, CRONEX	COMPLETION 1980
RADIOGRAPHY, LEVEL II	JACOBS ENG. CORP.	COMPLETION 2001
MAGNETIC & LIQUID PEN L-2	JACOBS ENG. CORP.	COMPLETION 2001

DETAILED PROFESSIONAL EXPERIENCE

OCEANFRONT ENGINEERING INC. (9-86 to Present)

OWNER/FORENSIC CONSULTANT:

Forensic and expert witness consultant to major Engineering, Oil & Gas, Insurance and Manufacturing companies worldwide. Provided expertise in the investigation, inspection, expediting, safety research, project management and testing of major equipment and construction projects, world-wide with the following equipment involved:

Rotating Equipment:	Gas and steam turbines, compressors, pumps, and expanders.
Pressure Vessels:	ASME Section VIII, boilers, heat exchangers, API tanks, piping.
Modules & Skids:	Offshore production modules, heavy skid fabrication.
Electrical:	Motor control centers, UPS, switchgear, control panels, motors.
Structural:	Structural steel, concrete, pilings, Z-piles, grout, re-bar,
Civil:	Soils, underground vaults, proctor tests, compaction tests, piping.
Bridges and Piers:	U.S. Navy installations, Underwater Diving/demolition expertise.
Safety Officer:	Nuclear Power Plants in California and Nevada & Oil/Gas Refineries.
Forensic/Expert Witness:	Performed for Insurance companies and Attorneys.

List of major clients: Exxon-Mobil, Shell Offshore, British Petroleum-ARCO, Chevron Oil Co., State Insurance, United States Navy, Dow Chemical, Fluor Corp., Dupont Chemical, Pfizer Co., DNV, ABS.

These above activities included: Marketing and contract negotiations with major firms, hiring and supervising consultants, managing budgets, accounts receivable and payable and written technical reports for all phases of the projects involved. See Major Projects List.

Expert witness work included investigations, discovery, technical analysis, interface with laboratories, interrogatories, depositions, trial testimony and written reports for a variety of forensic related cases. Expertise in accident reconstruction, materials analysis, crane failures, mechanical and structural related manufacturer and engineering failures.

CHEVRON OIL COMPANY

(9/80 to 9/86)

SENIOR QUALITY ASSURANCE ENGINEER:

Promoted to manage 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. Traveled extensively to Europe and the United States for these projects.

Managed all major contracts and personnel for the above operations including budget analysis, payroll and accounting, supervision of over 50 employees and technical consultants, meetings and conferences for multi-billion dollar projects, and provided technical training for Chevron employees. Performed expert witness duties in several cases involving materials failure analysis and accident prevention.

QUALITY ASSURANCE ENGINEER:

Four years of experience as the Lead Quality Assurance Engineer for rotating equipment, pressure vessels, structural and skid fabricated equipment for refineries, chemical plants, drilling and exploration, and offshore platforms. Non-destructive testing of all major equipment includes casting and forging mills, pumps, turbines, compressors, valves, heat exchangers, exotic piping.

Conducted numerous management meetings for multi-billion dollar projects for QA expertise and budget preparations. Active in scheduling and negotiating contracts with technical consultants for large projects. Visited over 500 manufacturing facilities world-wide for shop surveys, inspection and expediting of 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

(3/77 to 9/80)

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, structural and electrical equipment required for Nuclear Power Plants. Lead auditor and Safety Officer for Nuclear facilities in accordance with 10CFR50 and ANSI N45.2. Excelled in non-destructive testing analysis for nuclear equipment.

HAWAII • TEXAS • CALIFORNIA • NEVADA

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