

Curriculum Vitae

César de León, P.E.

Pipeline Safety Engineering Consultant • PanAm Pipeline Technology, Inc.

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SUMMARY OF QUALIFICATIONS

Over 40 yrs. of engineering mgmt. experience in oil industry, Federal government, & consulting includes:

IN GOVERNMENT - Director of Office of Pipeline Safety in U.S. Department of Transportation.

IN OIL INDUSTRY – (1) Vice-President of Marketing & Admin. of company manufacturing oil-field servicing equipment & (2) Engineering Manager of oilfield servicing company.

IN CONSULTING - Principal pipeline safety engineering consultant in PanAm Pipeline Technology

EXPERIENCE

PanAm Pipeline Technology, Inc.

Boerne, Texas [TX – F-10282; SBA 8(a); Texas HUB]

Aug 1997 - Present [A]sequential career chronology

• Pipeline Safety Engineering Consultant

Provide gas and oil pipeline safety consulting services to industry, government, and the public regarding:

- Code compliance and safety practices regarding Federal, state, and industry pipeline standards for design, construction, operation, and maintenance of gas transmission, gas distribution, and petroleum pipelines.
- Expert witness and technical analysis in litigation for plaintiff's & defendant's attys.
- Pipeline accident investigations & pipeline inspections and safety audits.
- **Clients** include: Koch Pipeline; Conoco Pipeline; Duke Energy; Enogex; Stephens Production; Southwest Gas; DFW Airport; Nicor; El Paso Gas; NRG Systems; Sonat Exploration; Tejas Gas; Southern Union Gas; TD Intl; Pacific Gas & Electric; Oasis Pipeline; Grey Forest Utilities; Kinder Morgan Pipeline; NIGas; Nat'l Fuel Gas; Allianz insurers; Port of Brownsville; Public Service Electric & Gas; Atmos Energy; Salt River Project; Messer Constr; Columbia Gas Trans.; Dept. of Defense; Dominion Exploration & Production; Transwestern Pipeline; Equitable Production; Columbia Gulf Trans; Bridger Pipeline; Airmaster Equipment; Belle Fourche Pipeline; Butte Pipeline; PHMSA. **International:** Ente Nacional Regulador de Gas, Argentina; McKinsey & Co, Russia; Sofregaz, France; Organización Iberoamericana de Protección Contra Incendios, Colombia; ITIS, Mexico. **Associates:** Booz Allen Hamilton, Inc; Stannard & Co; Kiefner & Assoc; D. Peterson & Assoc.; Protection Engineering Consultants, Inc.
- **Over 75 projects** include gas and oil pipeline litigation & consulting regarding:
 - ◆ cathodic protection, construction, seam failure, corrosion, emergency response, excavation damage, gathering lines, restoration of service, leakage surveys, O&M Manuals, One-Call Systems, pipeline markers, pipe locating, temporary pipeline marking, MAOP, training, ILI pig, customer meters, coating, hydrostatic testing, pipeline integrity, offshore valves, public awareness program, storm drainage pipe, depth of cover, ROW easement, threaded pipe, IMP, propane, pipeline route, setback, statistics
 - ◆ Pipeline technology assessment in France & Belgium for determining market in U.S.
 - ◆ Pipeline training in Colombia. ◆ pipeline inspection/research in Argentina and England.

Office of Pipeline Safety

Research & Special Programs Admin (now PHMSA)
Department of Transportation
Washington D.C.

June 1983 - August 1997 [B]

- Deputy Assoc Administrator for Pipeline Safety
- Director, Standards and Technology

- Regional Chief, Southern Region (Atlanta)
 - Engr. Inspector, Western Region (Denver)
- September 1971 - June 1980 [E]
- Acting Director/Director/Associate Bureau Dir.
 - Deputy Director
 - Compliance Officer

Responsible for directing the U.S. national program for the safe, reliable, and environmentally sound transportation by over 2 million miles of petroleum and natural gas pipelines in the country, including:

- Directing the issuance and enforcement of design, construction, operation, and maintenance regulations for all gas transmission, gas distribution, and petroleum pipelines, including anti-drug and LNG regulations (includes 49 CFR Parts 190 through 199).
- Directing the program for over 5 years plus Deputy an additional 5 years.
- Directing co-operative Federal/state pipeline safety program & associated grant-in-aid program.
- Directing or co-directing over 60 pipeline research projects (Attachment A).
- Directing DOT inspection of construction & initial operation of the Trans-Alaska Pipeline System.
- Directing the development of regulations to protect the environment from pipeline spills.
- Testifying on pipeline safety before U.S. Congress, state legislatures, and U.N. organizations.
- Pipeline failures, deaths, and injuries were each reduced about 50% during my 23 years with OPS.
- Charter member of Federal Senior Executive Service [ES-4].
- Personally conducted projects, include:
 - ◆ inspected and conducted safety audits of gas and oil pipelines, including LNG facilities.
 - ◆ investigated and determined cause of pipeline failures. ◆ developed pipeline regulations.
 - ◆ prescribed and conducted pipeline safety training at DOT Transportation Safety Institute.
 - ◆ developed anti-drug regulations for pipeline company employees.
 - ◆ developed initial DOT pipeline inspection and compliance program.

GEO Condor, Inc.
Denver, CO

- October 1981 - June 1983 [C]
- Vice-President, Mktg. & Admin.

Responsible for managing the marketing and administration functions of one of the largest manufacturers of oilfield well servicing equipment, including:

- Administering the company's personnel, contracts, budget, and business planning.
- Assisting in the engineering design of fracturing, acidizing, cementing, and blender units.
- Developing and directing domestic and international marketing of well servicing equipment.
- Doubled annual sales the first year to \$32 million of well servicing equipment.

Western Company
Ft. Worth, TX

- June 1980 - October 1981 [D]
- Engineering Manager
- December 1964 - September 1971 [F]
- Engineering Manager
 - Project Engineer

Responsible for managing the Engineering Department of the second largest oilfield well servicing company in the country (\$650 million annual revenue; over 6,000 employees), including:

- Directing design of oilfield pumps, pump trucks, auxiliary equipment, and oilfield plant facilities.
- Directing design of fracturing, acidizing, blenders, cementers, and similar well servicing units.
- Meeting “management by objectives” goals that lowered equipment manufacturing costs by 15%, equipment operating costs by 35%, and engineering design costs by 40% over a 3-year period.

- Personally conducted projects, include:
 - ◆ initial organizing of the Engineering Department, establishing engineering drawing system, departmental procedures and records, and engineering design criteria.
 - ◆ designed 300, 500, & 1000 hydraulic horsepower triplex fracturing and cementing pumps.
 - ◆ designed high pressure fracturing piping, oilfield cementing plants, inland barges, and cementing and fracturing skid-units for offshore platforms.
 - ◆ designed equipment for introducing nitrogen fracturing service to the company.

CHRONOLOGICAL SUMMARY OF CAREER

[A] August 1997 – Present	PanAm Pipeline Technology, Inc.
[B] June 1983 – August 1997	Office of Pipeline Safety, DOT
[C] October 1981 – June 1983	GEO Condor, Inc.
[D] June 1980 – October 1981	Western Company
[E] September 1971 – June 1980	Office of Pipeline Safety, DOT
[F] December 1964 – Sept. 1971	Western Company
January 1958 – December 1964	LTV Aeronautics; grad school; Corps of Engrs; TX Hwy Dept.
September 1953 – August 1955	Army Engrs; Pfc; Bad Kissingen, Germany; honorable discharge

EDUCATION

M.S. in Civil Engineering	Texas A&M University/College Station (with honors)	May 1962
B.S. in Petroleum Engineering	University of Texas/Austin	Jan 1958
A.A. in Pre-Engineering	Texas Southmost College/Brownsville (with honors)	May 1953

SPECIAL SKILLS OR RECOGNITION, include

- Fluent in Spanish.
- Registered Professional Engineer in Texas (#23146) and Colorado (#21046).
- Published over 20 articles, including: hydraulic systems, pneumatic systems, LNG, cement blender, pipeline regulations, offshore pipeline standards, & underground gas storage (Attachment B).
- Presented speeches regarding pipeline safety to virtually every pipeline organization in the country, and before many foreign organizations (Attachment C).
- Public Member of DOT Technical Hazardous Liquid Pipeline Safety Standards Committee (pipeline experts appointed by the Secretary of Transportation to advise DOT on pipeline safety).
- Member of pipeline research committees in the NRC of National Academy of Engineering.
- Role model in “Making It in Engineering” (ASME brochure on accomplished minority engineers distributed to most high schools nationwide).
- TX & VA civic advisory boards, include: Arlington Hospital, American G.I. Forum, Ft.Worth Boys Club, Ft.Worth United Fund, Ft.Worth Human Relations Comm., Sembradores de Amistad Educational Foundation, & Virginia Advisory Board to U.S. Comm. on Civil Rights.

PROFESSIONAL ORGANIZATIONS, include

- International Standards Organization (pipeline technical committees)
- ASME Pipeline Safety Research Committee
- Gas Piping Technology Committee (ANSI Z-380)
- Integrity Management Task Force, Gas Piping Technology Committee
- Operator Qualification Program Task Force, Texas Gas Association

Attachments available upon request 09/05/2009