# DEATECH Consulting Company

 **203 Sarasota Circle South**

 **Montgomery, TX 77356-8418**

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 **CURRICULUM VITAE**

 **R. DON DEAVER, P.E.**

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**ACADEMIC BACKGROUND:**

 Bachelor of Science in Industrial Engineering in 1964, Texas A & M University.

 Member of Tau Beta Pi, the oldest engineering honor society in the United States.

**WORK EXPERIENCE AND AREAS OF EXPERTISE:**

Royce Don Deaver worked for Exxon Pipeline and Exxon affiliates for over 33 years. Exxon experience included numerous technical and management positions. Work activities involved consulting within Exxon, on the Trans Alaska Pipeline System, ARAMCO in Saudi Arabia, Exxon pipeline affiliates, and numerous oil and gas industry committees and work groups. Work activities at Exxon as a subject matter expert and later at DEATECH as a consultant and as an expert witness involved:

1. Pipeline regulations,
2. OSHA regulations,
3. Pipeline accident analysis,
4. Pipeline corrosion control,
5. Pipeline welding,
6. Pipeline metallurgy,
7. Pipeline inspection,
8. Pipeline materials,
9. Nondestructive testing,
10. Fracture prevention and control,
11. Pipeline failure investigation and analysis,
12. Project management,
13. Pipeline facility design,
14. Main pipeline design,
15. Pipeline construction,
16. Pipeline construction specifications,
17. Pipeline pressure testing,
18. Pipeline repairs,
19. In-line pipeline inspection,
20. Fluid dynamics,
21. Pipeline surge analysis,
22. Explosion simulations and analysis,
23. Fire exposure simulations and analysis,
24. Statistical data analysis,
25. Integrity analysis,
26. Pipeline integrity management,
27. Liquid measurement,
28. Gas measurement,
29. Leak detection,
30. Pipeline operations and control,
31. Pipeline maintenance,
32. Pipeline repairs,
33. Pipeline stress analysis,
34. Mechanical damage assessment,
35. Pipeline rupture simulations,
36. Pipeline fire and explosions analysis,
37. Pipeline marking,
38. Gas underground migration,
39. Petroleum underground migration,
40. Piping fitness for service assessments,
41. Automatic pipeline shutdown,
42. Hydrogen sulfide safety,
43. Oil and gas production operations,
44. Gas detection and odorization failures,
45. Cast iron pipe problems,
46. Vintage pipeline problems,
47. Pipeline excavation damage prevention,
48. Pipeline safety management,
49. Pressure control and limiting,
50. Pipeline easement assessments, and
51. Pipeline construction environmental damage mitigation.

**PROFESSIONAL LICENSE:**

 Registered in Texas in the area of mechanical engineering.

**INDUSTRY SERVICE:**

 I have served on the following committees and task groups.

 \* ASME B31.4 Code Committee for cross country liquid pipelines

 \* ASME B31.11 Code Committee for slurry pipelines

 \* ASME Work Group on Pipeline Design Requirements

 \* ASME Task Group on Mechanical Damage and Integrity Assessment

 \* ASME Work Group to update pipeline welding requirements

 \* ASME Work Group on Offshore Pipelines
 \* Coordinator of API Work Group on State of the Art in pipeline leak detection

 \* Chairman of API Committee on Pipeline Markers

 \* API Committee on Gas Measurement

 \* API Committee on Liquid Measurement

 \* API Measurement Training Committee

 \* API/NIST Task Group on Volume Standards Calibration

 \* API Task Group on Dynamic Liquid Measurement Computations

 \* API Task Group on Meter Provers

 \* Chairman of API Task Group on Statistical Analysis of Measurement Quantities

 \* API Planning Committee for 1997 API Pipeline Conference

 \* API Users Subcommittee on Line Pipe Standards

 \* API Welding Committee

 \* Joint Welding Committee on API 1104 and API 1107

 \* API Task Group on Laser Welding

 \* Owner Companies Technical Review Task Group Chairman on TAPS Fluid

 Measurements

 \* TAPS Prover Calibration Task Group

 \* TAPS Vapor Pressure Measurement Task Group

 \* TAPS Corrosion Peer Group

 \* TAPS Fluid Measurement Peer Group

 \* TAPS Smart Pigging Task Group

 \* Coordinator of pipeline and marine terminaling research for Exxon Corporation

 \* Exxon Corporation Pipeline Research Steering Committee

 \* Exxon Corporation Terminaling Steering Committee

 \* Exxon Corporation Metrication Committee

 \* Seadock Offshore Pipeline Advisory Committee

 \* API Pipeline School of Technology

 \* Investigation team on Exxon fire at the Baton Rouge refinery

 \* ARAMCO Consulting Group

 \* Design coordinator for industry marine terminal in Santa Barbara, California

 Industry service awards included the following.

 \* American Petroleum Institute Award for service involving many contributions

 to programs of API (1994)

 \* American Petroleum Institute Award in recognition for 40 years of service in

 standards development activities of API (2010)

**EXPERT WITNESS CASES**

Lawsuits in which I have been involved include, but were not limited to:

1. PG&E San Bruno explosion;
2. Union Pacific/Kinder Morgan reimbursement dispute;
3. Santa Monica Charnock Aquifer MTBE contamination investigation;
4. McAllen, Texas gas gathering leaks and petroleum contamination;
5. El Paso Carlsbad, New Mexico explosion;
6. Tenneco West Houston explosion;
7. Bellingham, Washington Olympic Pipeline rupture and fire;
8. Koch Kaufman County, Texas LPG explosion;
9. Koch Industries Clean Water Act violations;
10. Longhorn Pipeline Environmental Assessment dispute;
11. El Paso Bushland, Texas explosion;
12. Atmos McKinney, Texas explosion;
13. Atmos Dallas, Texas explosion;
14. Atmos Irving, Texas explosion;
15. Atmos Cleburne, Texas explosion;
16. Occidental Elk Hills, California explosion;
17. Enterprise Johnson County, Texas explosion;
18. Luminant/EMS pipeline construction dispute;
19. Northern Natural Gas Iowa explosion;
20. Oakland Port Authority/Kinder Morgan dispute;
21. Enbridge/British Petroleum mismeasurement dispute at Sarnia, Canada;
22. British Petroleum North Slope, Alaska oil spill;
23. Washington Gas explosion at Penn Marr in Maryland;
24. XTO BOA Plant maintenance incident;
25. Amoco rupture near Peoria, Illinois;
26. Texas New Mexico/EOTT leak and contamination in Midland, Texas;
27. Signature Flight Support pipeline leak in Anchorage, Alaska;
28. Explorer rupture in North Texas;
29. Columbia Gas explosion in West Virginia;
30. Atmos North Richland Hills explosion in Fort Worth, Texas;
31. AGL explosion in Douglasville, Georgia;
32. West Shore leak in Wisconsin;
33. Northwest Pipeline dispute with ADA County Highway Department in Boise, Idaho;
34. Plains All American Leak in Santa Barbara County, California;
35. Plains All American Pipe Quality Dispute;
36. Enbridge right-of-way-clearing gas explosion in Rusk County, Texas;
37. Enbridge gas pipeline fire in Wheeler County, Texas;
38. Kinder Morgan deadly rupture in Illinois;
39. Energy Transfer rupture in South Texas;
40. Atlantic Coast Pipeline Safety Analyses for Wintergreen;
41. VNG Southside Connector Safety Analyses;
42. CenterPoint incident in Shreveport, Louisiana;
43. Atmos incident in Dallas, Texas;
44. Colonial contractor dispute in Newark, New Jersey;
45. Magellan contractor dispute in Houston area;
46. Buckeye vs. Edison Consolidated leak in Chicago area;
47. Anadarko gas explosion near Denver, Colorado;
48. Keystone Pipeline permit application review for U.S. DOT;
49. Review proposal for U.S. DOT on higher allowable operating pressure in Part 195;
50. San Francisco lawsuit against Secretary of U.S. DOT;
51. Washington Gas explosion in Silver Springs, Maryland;
52. Buckeye failure in the St. Mary’s River in Indiana;
53. Atmos incident in Stephenville, Texas; and
54. Atmos incident in Gatesville, Texas.

R. D. Deaver, P.E.

November 24, 2020