



**Causey Engineering  
LLC**

**Gerald J. Hietpas, PE  
President**

## **Causey Engineering LLC**

*"Forensic and Investigative Services"*

PO Box 341057-0018

Austin, TX 78734

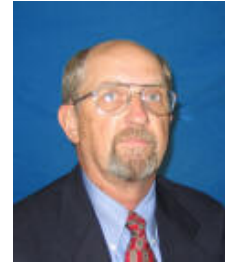
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### **Curriculum Vitae**

***RICHARD L. SEAY, BSME***



*Mr. Seay is an Associate of Causey Engineering LLC. Causey Engineering has for over 20 years been providing forensic and investigative engineering services and litigation support, specializing in industrial and construction regulations and safety issues. Mr. Seay has particular experience in oil refineries and utilities, including equipment design, operations, and inspections, and the associated codes and regulations.*

#### ***Education & Training:***

**Mississippi State University - B. S.,**  
Mechanical Engineering - 1968

**Texaco Training,**  
Building a Customer Focused Organization -  
1994

**Primatch, Inc. Training,**  
Conducting Hazard & Operability Reviews –  
1989

**Texaco Training,**  
Financial Management for the Non-Financial  
Manager - 1984

**Code West Training,**  
Piping Inspection - 1995

**Code West Training,**  
Above Ground Storage Tank  
Inspection - 1994

**Code West Training,**  
Pressure Vessel Inspection - 1993

#### ***Certifications:***

**API** American Petroleum Institute "Above Ground Storage Tank Certified Inspector - 653".

**API** American Petroleum Institute "Refinery Piping Inspector - 570".

**API** American Petroleum Institute "Pressure Vessel Inspector - 510" (expired 01/31/03).

#### ***Work Experience:***

**Codewest**, Katy, TX

2005 to Present

*Consultant:* Conduct exam preparation classes for petrochemical inspectors who will be sitting for the American Petroleum Institute (API) certification examinations for Certified Piping Inspector and Certified Aboveground Storage Tank Inspector.

**Causey Engineering LLC**, Austin, TX

2003 to Present

*Forensic Expert:* Provide Forensic and investigative work related to oil refinery and utility issues. Causey Engineering provides engineering analysis, governmental regulation investigation and research, accident reconstruction and litigation support primarily related to oil and gas, refineries, chemical and petrochem plants, central power stations, electronic manufacturing, food processing, pulp and paper, lumber manufacturing, industrial construction, and warehousing.

**Texaco/Star Enterprise/Motiva Enterprises, LLC**, Port Arthur, Texas

1968 to 2002

*Project Manager, Fluid Catalytic Cracking Unit (FCCU3) Capital Project, 1999 – 2002 (Special assignment):* Engineer, design, construct and start-up a large capital improvement project and turnaround for the FCCU 3.

*Manager of Inspection, 1993 – 2002:* In charge of the pressure equipment integrity program for the refinery. Served on the American Petroleum Institute (API) Refinery Committee – Inspection Sub-Committee representing Texaco/Star Enterprise/Motiva

*Supervisor – Process Safety Management, 1989 – 1993:* Implemented the refinery's Process Safety Management (PSM) program after OSHA created the PSM rule 1910.119. Over-saw the conducting of process safety reviews of refinery "covered" processes and formulated and executed the Management of Change Program for the refinery.

*Supervisor of Environmental Operations, 1988 – 1989:* Managed operations of the wastewater treatment plant, recovered oil plant and the plant drainage system.

*Supervisor of Utility Operations, 1986 – 1988:* Managed operations of the fresh water treatment plant, distribution of water, fuel gas, steam, plant air, instrument air and nitrogen.

*Manager Energy Conservation, 1984 – 1986:* Developed refinery energy conservation policies and initiated energy saving capital projects

*Supervisor – Process Engineering, 1982 – 1984:* Supervised the "Plant Balance Accounting Group" Chemical engineers.

*Assistant Chief Inspector, 1974 – 1982:* Progressed from Engineer and Supervising Engineer in the Inspection Department to Assistant Chief Inspector.

*Inspection Engineer, 1972 – 1974:* Performed equipment inspections of pressure equipment for process units, and specified repairs to pressure equipment.

*Estimating Engineer, 1971 – 1972:* Prepared cost estimates for refinery projects and prepared appropriation requests for refinery capital projects.

*Design Engineer, 1968 – 1971:* Performed engineering design assignments such as piping, concrete and structural steel.

### ***Forensic Experience:***

Cases Worked are 3, Depositions Given 3, Trial Testimony Given 1.

*Use of this CV is prohibited until we have a mutually signed agreement concerning your engagement of Causey Engineering LLC. Pending such, the use of our name is also prohibited, and we reserve the right to accept assignment by others in lieu of your firm.*