



**Causey Engineering
LLC**

**Gerald J. Hietpas, PE
President**

Causey Engineering LLC

"Forensic and Investigative Services"

PO Box 341057-0018

Austin, TX 78734

www.CauseyEngineering.com

Phone & Fax (512) 261-3930

jhietpas@austin.rr.com

Curriculum Vitae

SCOTT SCHAMP, BSCRIP, P.E.

Mr. Schamp is an associate of Causey Engineering LLC. Causey Engineering has for over 18 years been providing forensic and investigative engineering services and litigation support, specializing in industrial, utility and construction issues. Mr. Schamp has extensive expertise in the Natural Gas Industry.

Education:

Colorado School of Mines

Bachelor of Science degree in May 1989
Chemical and Petroleum Refining Engineering,
Minor in Business Management.

Registrations:

Professional Engineer

Significant Achievements:

Performed process and mechanical design and installation for a grassroots 270 gpm amine treater for CO₂ Removal capable of treating 65 MMSCFD for Antero Resources LP. (2004)

Performed Process Design, Mechanical Design, Process Hazard Analysis, Control system design and programming, Regulatory Compliance, installation, Start-up and troubleshooting for a grassroots 600 gpm amine treater for CO₂ and H₂S removal, 22 MMSCFD turboexpander plant and 3,000 BPD Condensate Stabilizer for the Bazor Ridge Treating Facility.

De-bottlenecked the Mitchell CO₂ Removal Facility from 145M to 200M MMSFCD per day. (2000)

Led the Buck Draw project, installing a 1200 HP grassroots compressor station in less than 28 calendar days. (2000)

Performed process and mechanical design and installation for a grassroots 100 gpm amine treater for CO₂ Removal capable of treating 50 MMSCFD for the Medicine Bow Treater. (1999)

For the Katy Gas Storage Facility, completed full engineering design for the installation of a Slug Catcher and Filter/Coalescer sized for 400 MMSCFD. (1995-1996)

For the Sand Dunes Refrigeration Plan, completed full engineering design for the installation of a Deethanizer system including rerating ~30 miles of Gas Gathering pipeline to y-grade liquid service per DOT 195 and the installation of an 8.5 mile 3" pipeline. (1996)

Patents:

Scott holds an industry-related patent in the US and Europe. (1992)

Experience Summary:

With over 16 years of gas processing, acid gas removal (CO₂ and H₂S), and process design engineering, Scott has extensive experience in all aspects of project management, including:

- Cost estimating
- Process and mechanical engineering design
- Procurement
- Installation
- Start-up

In addition to his experience with Kahuna Ventures, Scott has extensive project experience with both Western Gas Resources, Inc. and the M.W. Kellogg Company. He has accomplished a wide variety of engineering projects implemented at the following facilities:

- Bethel Gas Treating Facility (CO₂ and H₂S Removal) - Bethel, Texas
- Buck Draw Compression Station - Wright, Wyoming
- Medicine Bow Treater (CO₂ Removal) - Douglas, Wyoming
- Mitchell Gas Plant (CO₂ Removal) - Fort Stockton, Texas
- Sand Dunes Gas Plant (Refrigeration Plant) - Glenrock, Wyoming
- Katy Gas Storage Facility - Katy, Texas

Employment History:

Causey Engineering LLC, Austin, TX 2005 to Present

Forensic Expert: Provide Forensic and investigative work related to natural gas. Causey Engineering provides engineering analysis, governmental regulation investigation and interpretation, accident reconstruction and litigation support primarily related to oil and gas, refineries, pulp and paper mills, industrial construction, lumber manufacturing, chemical and petrochem plants, and central power stations.

Kahuna Ventures LLC, Denver, CO 2000 to Present

- *Director, Process & Project Engineering*
- *Sr. Project Manager*

Western Gas Resources, Inc., Denver, CO 1994 to 2000

- *Sr. Process/Project Engineer*
- *Project Engineer II*

The M.W. Kellogg Co., Houston, TX 1989 to 1994

- *Process Engineer, Gas Processing*
- *Process Engineer, Fluid Catalytic Cracking*
- *Pilot Plant Engineer, Pyrolysis and Fluid Catalytic Cracking*
- *Engineer*

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.