



Black Horse Design Resources LLC

6011 ALT 75
Beggs, OK 74421
405-308-2473



Nancy Hubbard
Chief Principal Designer
& Managing Member

EXPERIENCE SUMMARY

Nancy has 25+ years' of experience in design, fabrication, construction of facilities in natural gas and crude oil industries, waste water treatment plants, paper mill plants as well as managed projects in the gas and oil industries, within the fields of piping, mechanical design, structural design, process piping design, including modular skid design, equipment design, fabrication drawings for all fields, project supervision, client, field and shop interactions and briefings. Previous projects in the fields of equipment design and fabrication, vessel design and fabrication, gas compressor stations, dehydration units, fuel gas skids, separators, manifolds of various types, plant layout, pig traps, reboilers, inlet slug catchers, pressure vessels and other various fuel equipment, modular equipment design complete thru fabrication, shipment to installation.

EXPERIENCE

- Designed prototype Production Flowback Water Evaporator for fuel gas industry.
- Experience in field and shop review and drawings for as-built documentation as well as process work with reconditioning of purchased sites for both documentation and refurbishing to new and/or different processes.
- Experience in creating or editing drawing (P&IDs) Process & Instrumentation Diagrams, Process Flow Diagrams, Timely and accurate production of drawing sets for fabrication, sales and documentation.
- Verbal and written communications, briefings, and presentations.
- Fabrication Techniques Experience with ASME, TEMA Pressure vessels and OSHA Standards as well as in purchasing major shop equipment.
- Cost effective methods and procedures for shop and field which produce positive yield results. Technical and departmental problem analysis and resolution.
- Designed complex natural gas sweetening, dehydration and processing systems.
- Designed Compressor Facilities, Dehydration Skids, Fuel Skids, Separator Skids, Inlet Manifold Skids, Smart and Regular Pigs Traps, Amine Units, Filter Coalescers, Contactors, Heat Exchangers, Heaters, Scrubbers, Fuel Meter Skids and Cyclone Filters.
- Create and maintain P&ID's for Natural Gas Skids, for both urban and Non-Urban processes.
- Experience in field review and drawings for As-built documentation
- Designed Mechanical, Structural and Process Piping layouts of industrial refrigeration and chilling plants utilizing Created Process & Instrumentation Diagrams, General Arrangement Drawings, Isometric Piping drawings, all associated Bills of materials for both customer approval and shop fabrication. Designed ASME and TEMA Pressure Vessels for fabrication.

EDUCATION

Milwaukee School of Engineering, Milwaukee, WI
Advance course work Dean's List.
Milwaukee Area Technical College, Milwaukee, WI
AAS Civil Structural Engineering 1979.
OSHA 10 Certified

CLIENTS

Including but is not limited to:

- Global Integrated Services, LLC
- Chesapeake
- Blueknight Energy
- Targa Resources
- Brazos Midstream
- Magellan
- XTO
- Devan Energy
- KEYera
- Highland Crude and Highland Natural Gas
- Mark West Energy
- Enbridge

INDUSTRIES

- Crude Oil Tank Farms
- Natural Gas Compression facilities
- Midstream Project Services
- Gathering System Design
- NGL Processing Plants
- Pipeline Design and Project Management
- Compression
- Metering, Custody Transfer Metering
- Natural Gas Storage Facility Design
- Cryo Plant – Balance of Plant
- Pumping Stations
- Wastewater Treatment Plants

ASSOCIATIONS

Member Tulsa Engineers Association
Member Tulsa Pipelines Club

MILITARY SERVICE

US Army - Jan 1983 - Aug 1990,
Intelligence Sergeant 96B20.
Honorably Discharged.

MILITARY AWARDS

Army Commendation Medal, 2 Army Achievement Medals and 2 Good Conduct Medals. Top Secret clearance from (SBI) Special Background Investigation.

(405) 308-2473

www.black-horse-dr.com

Black-horse-dr@hotmail.com