

Shell Trading (US) Company - Midland, TX

February 2022 – Present

Commercial Crude Operator

Crude Scheduling – pipeline and trucks

- Scheduled crude volumes with connections to and from DCX, Plains ACC, Plains MDE, Medallion, Oryx, Gray Oak, Cactus, Epic, Centurion, Magellan Longhorn, Enterprise Midland-to-Echo, utilizing several software packages such as Endur and QlikView and counterparty nomination portals
- Cross coverage: Provided relief to multiple schedulers on different desks such as the STX Truck Desk, WTX Truck Desk, and various TXNM pipelines
- Developed process and procedures for all desks covered, and passed along to other schedulers for training purposes
- Training: provided training support for other schedulers on the WTX truck desk and several pipelines
- Coordinated 3rd party crude sample analysis and LACT provings, to ensure common stream was within pipeline specs with H₂S, metals and API composite gravity
- Managed 3rd party carrier relationships, operations, request for pricing (RFPs), and negotiated trucking rates
- Optimized truck carriers and crude volume (~40,000 bpd), to approximately fifty unload stations, blending multiple grades of crude such as WTI, WTL, and WTS as required
- Field trips throughout the Permian, to evaluate truck offload sites and conducted investigations into losses

Commercial Crude Analyst/Project Work

- Forecasting: led the initiative to apply quantitative forecasting methods to better predict production volumes, leading directly to more stabilized hub positions for stakeholders to trade around
- Lead the initiative to utilize public Texas Railroad Commission tax severance data combined with proprietary data, to identify lease purchase pricing and new lease purchase opportunities
- Developed a Python program to estimate new pipeline production, based on proximity from drilling rigs and frac crews, and which gathering system(s) would most likely be used
- Utilized Enverus Prism and DrillingInfo software for lease production forecasting analysis (using R and Python), confirming lease locations, active rigs, permits and frac crews
- Conducted trucking and pipeline carrier economic, logistical, and commercial analyses from lease, to pipeline, to the hubs, calculating breakeven values, and made recommendations to the commercial team – for both the Permian and Eagle Ford regions
- Checked Trader deal entries for accuracy and correct flow into scheduling software (Endur)

Student, remote – GA Tech, UT - Austin

June 2020 – August 2021

- Took several online courses, during COVID-19, including Python boot camp and machine learning courses

Coil Tubing Partners, LLC - Midland, TX

May 2019 – April 2020

Coiled Tubing Engineer

- Assisted sales with technical programs, modeling and presentations resulting in increased market share
- Designed quick-taper extended reach 2.625” strings to reach 23,000 ft wells with laterals exceeding 15,000 ft
- Managed coiled tubing string usage and fatigue databases for nine units operating in the Permian Basin
- Managed the inventory of over fifteen 2.625” and 2.375” strings, some greater than 25,000 ft and 130,000 lbs
- Implemented corrosion prevention and tubing maintenance programs to prolong tubing life
- Involved with low WHP post-frac millouts, using light weight mud, without nitrogen, on ExxonMobil wells
- Lead root cause analyses on tubing and BHA failures as needed

Wyatt's Torch Exploration and Production, LLC - Greenwood Village, CO**May 2018 – May 2019**

Owner / Technical Manager

- Managed LLC formation, all expenses, tax accounting and funding efforts through securities lenders
- Managed business operations to identify potential crude reserves and drilling sites, focused in the Arkansas Tuscaloosa formation
- Courthouse research for ownership of property and mineral rights
- Created a database and map of historical crude production by geographical location
- Worked with a professional geologist to identify potential drilling sites
- Purchased existing seismic data, and worked with a geophysicist to process it

Global Tubing, LLC - Houston, TX**January 2013 - May 2018**

Regional Sales Manager / Technical Sales Engineer

- Developed sales, marketing and forecasting strategy along with action plans for key accounts, with account-based sales in excess of \$120,000,000 over five years
- Utilized NOV Cerberus™ software, for downhole torque and drag modeling (expert level)
- Developed coiled tubing string designs for every basin in the U.S. Shale Play, developing and presenting technical sales presentations to customers
- Provided coiled tubing consultation for high pressure milling, sour service, stimulation, extended reach and artificial lift applications for the U.S. and international markets
- Directly involved with tubing root cause failure investigations, and advised customers on mitigation techniques
- Worked on the engineering team responsible for new product research, design and development

Halliburton Energy Services - Rock Springs, WY**June 2008 - July 2012**

Field Engineer / CTU Operator / Field Hand

- Successfully designed and performed over 300 wells including millouts, cleanouts, acidizing, fishing, tubing hang-offs, submersible pump installations, plug & abandons, production logging, tubing conveyed perforating, pinpoint stimulation, N2 jetting, and E-coil jobs utilizing coiled tubing
- Managed the training and development of new engineers in coiled tubing engineering and operations
- Managed the acquisition and inventory of seven coiled tubing strings for the camp; All sizes: 1.25" – 2.375"
- Certified coiled tubing operator – Halliburton's V95HP and V45HP units
- Managed the acquisition and inventory of thru-tubing tools such as back pressure valves, connectors, Cobra Frac, Surgi Frac, and Pulsonix
- Completed Halliburton's 3-month Hydraulic Fracturing for Engineers course

Education:

West Texas A&M University
M.S., Finance and Economics
Expected to graduate: November 2027

The University of Texas at Austin - Remote
Post Graduate Program, Data Science and Business Analytics
August 2021

Louisiana Tech University - Ruston, LA
B.S., Mechanical Engineering
May 2008

University of Arkansas Community College - Hope, AR
A.A., Business Administration
May 2004
