

Lance J. Gall

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Education

Texas A&M University, College Station, TX

Bachelor of Science in Petroleum Engineering Undergraduate

Class of May 2021

Current Class: Senior

Projects

- CMG reservoir simulation using IMEX/Builder and production forecasting/economics with CMOST to provide new well recommendation in an oil bearing reservoir
- IP well log analysis on oil producing reservoir used for identification of petrophysical properties and a potential new well location
- VBA code consisting of eighteen executables for gas reservoir calculations
- Improved Wellbore Simulation: Comprehensive Correlations Study SPE Student Paper
- Excel economics forecasting for well and reserve decline curve analysis
- Python/Excel executable for projecting bottom hole pressures using shut in data

Research & Experience

Pressure & Temperature Wellbore Simulator Research, Texas A&M Department of Petroleum Engineering

Professor led research building a comprehensive wellbore pressure and temperature calculation simulator in Excel.

Specifically, I oversaw the building of the user interface for pipe segment layers used for overall heat transfer coefficient.

I also ran correlation comparisons using an extensive well data bank and eleven flow pattern correlations to identify problem areas in the simulator.

Integrated Asset Development for University Lands, Texas A&M Department of Petroleum Engineering

Semester project using production data, well logs, completion reports, and accompanying information to perform decline curve analysis, rate transient analysis, and reservoir simulation in the University Lands Area 4 Block 3 to provide recommendation for new well location and completion type.

Certifications & Awards

K&M Technology Group, Extended Reach Drilling (ERD) Introduction Course February 21, 2020

International Well Control Forum, Level 1 Well Control Course September 2019

Distinguished Student Award, Achieved a semester GPA of 3.50 or better in a rigorous and demanding engineering curriculum Fall Semester, 2020

Associations

Professional Brotherhood of Engineers Jan 2019-present

Fundraising Chair

-Planned and organized fundraising events

-Participated in Aggie Replant

Society of Petroleum Engineers Jan 2019-present

General Member

-Society of Petroleum Engineers provides workshops and industry speaker for the benefit of its members.

American Association of Drilling Engineers Jan 2019-present

General Member

-American Association of Drilling Engineers holds review session for classes as well as speakers from industry for the benefit of its members.

Skills

- Microsoft Office Suite, CMG's IMEX and supporting applications, PHDWin, KAPPA Ecrin, Interactive Petrophysics (IP), VBA, Python, XLWings, MATLAB, LabVIEW