

MANIKANTESH BONATHAM

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OBJECTIVE Seeking an entry level position in Petroleum Engineering field

EDUCATION

University of Houston, Cullen College of Engineering, Houston, Texas, January 2008 - December 2009

Master of Petroleum Engineering GPA – 3.58

Relevant Courses: Fluid Mechanics, Solid Mechanics, Drilling and Well Completion, Water Flooding, Enhanced Oil Recovery, Well Testing, Hydraulic Fracturing, Production Engineering, Reservoir Simulation, Petroleum Fluid Properties and Phase Equilibria, Advanced Production Operations, Well Formation and Evaluation, Engineering Administration

- Built **CMG-IMEX** models and **assimilated PVT data** to analyze **Numerical Dispersion**
- Did **History Matching** and **Production Forecasting** using **CMG-IMEX** for a real time project
- Built and ran **UT-CHEM** simulation models to analyze the recovery using WaterFlooding
- **Designed a Hydraulic fracture using MS Excel programming**
- **Drilling Project: A Novel Method** to do **Well Cost Estimation** by using **Regression Model**
- Worked on **CMG-IMEX, Sapphire, MI-PVT, UT CHEM, PVTsim, Well Plan, Compass, PPS software packages**

University of Louisiana, Lafayette, College of Engineering, Lafayette, Louisiana Fall 2007

Completed 15 credits of Course work in **Petroleum Engineering**, GPA – 3.60

Relevant Courses and activities

- Drilling Engineering, Production Engineering, Petrogeology, Reservoir Engineering
- Designed Gas Lift to increase the production of the oil running various sensitivity analyses, creating IPR and TPR curves using **WellFlo** software.
- Created a Microsoft excel program to calculate Formation Volume Factor, density, viscosity.

Anna University, Chennai, India, August 2003 – May 2007

Bachelor of Technology - Biotechnology, Minor – Chemical Engineering, GPA – 3.80

INTERNSHIPS

Engineer I, eProduction Solutions, Weatherford International, Houston, Texas, 11 months (May 2008 – August 2008, May 2009 – December 2009)

- Successfully analyzed nodal analysis (production optimization) and well testing consulting projects using **WellFlo**, a Production Optimization software and **PanSystem**, a Well Testing software package
- Developed QA testing scripts for **Well Performance Server**, a calculation engine in WellFlo software package
- Developed integration testing scripts for **Well Performance Server** with **Reo**, a surface production optimization software; **MatBal**, a Reservoir Analysis and Production forecasting software; **Reo**, a surface production simulation and optimization software; **Reo Forecast**, a Production forecasting and field planning software
- Worked successfully on WellFlo, Reo, Reo Forecast, Matbal software packages
- Involved in the development and release of WellFlo 4.0 and prepared course material for training clients.
- Involved in the testing of WellFlo and PanSystem software packages

CERTIFICATIONS

- **Six Sigma Green Belt** certificate, November 2009
- Certified, International Association of Drilling Contractors (**IADC**) **Well Control Fundamental course**, April 2008
- Certified, **Camp Red course**, a five day camp at **Halliburton**, Houston, March 16- 20, 2009

SOFTWARE PACKAGES KNOWN

- Reservoir Engineering, PVT: **CMG-IMEX, UTCHEM, MI-PVT, PVTsim, MatBal**
- Nodal Analysis/Production Optimization: **WellFlo, Prosper, Reo, ReoForecast, PPS**
- Well Testing: **Sapphire, Pan System**
- Drilling Engineering: **Well Plan, Compass**

EXTRA-CURRICULAR ACTIVITIES

- **Student Senator**, Student Government Association (**SGA**), University of Houston, April 2008 – December 2009
- Student Member in Society of Petroleum Engineers (**SPE**), August 2007 - Present