

LUCY M. XIE

4007 Crossing St. SW

Minot, ND 58701

lucymxie@gmail.com • (832) 627-3763

EDUCATION

Bachelor of Science in Petroleum Engineering Honors, May 2014

Business Foundations Certificate, McCombs School of Business

The University of Texas at Austin

Marathon Oil Endowed Scholarship Recipient

GPA: 3.67/4.00

EXPERIENCE

HESS CORPORATION

2012 - Present

Hess is a Fortune 500 global exploration & production company headquartered in New York.

❖ **Production Engineer | Tioga, ND | 2016 – Present**

- Oversee production from 200 wells in Bakken asset (~10,000 BOEPD; ~\$500,000 /day gross sales)
- Maintain a \$2M annual budget for chemical treatment program and assist in annual budget creation for all operating expenses
- Lead development of Bakken Asset Manager (BAM), a Spotfire-based analytics tool with 100+ users that visualizes production forecast, facilities constraints, opex trends and well performance
- Utilize Lean concepts (dashboards, operating rhythm, problem solving A3s) to identify gaps in actual vs. target and improve efficiency of daily processes; developed metric dashboards for all 5 areas in North Dakota and both supporting work teams in Houston office
- Lead root-cause analysis discussions for safety or environmental incidents and develop countermeasures to reduce frequency of future incidents

❖ **Foundation Engineer | Minot, ND / Houston, TX | 2014 – 2016**

- Rotated through four 5-6 month engineering roles as part of the Hess Foundation Program, a training program for new graduate hires; roles covered reservoir, production, and facilities engineering
- Received exceptional performance award for creating a production metrics dashboard in TIBCO Spotfire for performance comparison between assets; dashboard implemented company-wide to leadership team
- Updated Ceiba field network model in IPM software and streamlined process to 25% original cycle time using data automation
- Led project to load production data in Offshore Americas and West Africa into single database (Operational Data Store) and created Spotfire template as front-end visualization tool
- Conducted single-variable and design of experiment uncertainty analyses to calculate estimated recovery of offshore Gulf of Mexico field in Petrel-RE software
- Prepared worst case discharge volume reports for 3 offshore Gulf of Mexico wells and submitted to BSEE
- Created workover cost dashboard used to prioritize projects requiring >\$100k and track actual costs

❖ **Engineering Intern | Seminole, TX / Houston, TX | 2012 – 2013**

- Had 2 undergraduate summer internships supporting Permian asset as a Production Engineer and Bakken asset as a Reservoir Engineer; ranked by Hess committee as top intern out of 20 engineering interns for both summers
- Evaluated IHS Harmony software capabilities in rate-transient analysis using 20 Bakken wells
- Evaluated economics for potential top lease plans with Mineral Land team
- Optimized artificial lift specifications for nine wells using nodal analysis in IPM Prosper software

SKILLS/INTERESTS

- Industry software: Petroleum Experts IPM/IFM Suites, Petrel-RE, Theta Rod Pumping Suite, PEEP, SAP
- Technical software: Spotfire, Visual Basic, SQL, Microsoft Office Suite, Microsoft Visio/Project, MATLAB
- Fluent in Mandarin and English
- Board Director/Marketing Committee Chair/Mentor, Companions for Children Youth Mentoring Program
- Wedding pianist and amateur singer-songwriter