

ADAM REEDER

9400 Abernethy Way, Bakersfield, CA 93312 | 214.499.3143

areed145@gmail.com | adamreeder.info

WORK EXPERIENCE

Chevron - Bakersfield, California

Reservoir Engineer – McKittrick and Kern River

2013 – Present

- Conducted internal reviews of steamflood projects, executed steam injection changes (~\$5.4 mil/yr OPEX savings)
- Monitored, oversaw, and optimized steam distribution systems (~\$50 mil/yr OPEX budget)
- Forecasted and matured 25-pattern, 159-well steamflood development project (\$27.2 mil capital budget)
- Ground-up injection design of five steamflood projects (14K BSPD, 1.4K BOPD, \$4 mil capital budget)
- Proposed, designed, and executed projects fixing non-optimal injection in existing wells (~\$600K/yr OPEX savings)
- Identified and implement various process improvements (~\$10.7 mil total benefit)
- Proposed and coded Python tool using flow equations, geologic models, and production data to train neural network for location production prediction
- Proposed and executed 10 new wells to validate production prediction tool (\$3.9 mil capital budget)
- Supported other engineering functions by creating and maintaining forecasts used to size future facilities
- Built custom software to help identify and rank future oil production opportunities and communicate standardized performance metrics
- Support future business plan scenarios with high-level project oil and spend forecasts
- Facilitated weekly meetings aligning stakeholders in thermal, plants, and subsurface around optimal use of plant and system capacities

Production Engineer - San Ardo

2011 – 2013

- Designed and executed workovers on 65 development wells (\$22 mil capital budget)
- Identified, evaluated, designed, and executed 30 remedial workovers (\$16 mil capital budget)
- Evaluated 124 existing wells for sidetrack potential as part of new development (\$3 mil capital budget)
- Identified and implemented various process improvements (~\$3 mil total benefit)
- Coded custom tools to “manage by exception” by recognizing problematic wells, helping cut engineer response time in half
- Assisted other assets by sharing wellwork performance evaluation tool, enabling optimizations (~\$1 mil benefit)
- Prioritized drilling, operations, and construction groups schedules to maximize economics while minimizing hazards and conflicts

Various companies – Texas, Hungary, and Belize

Petroleum Engineer Intern

2006 – 2011

- Evaluate wells against regulatory criteria for tight well designation
- Operationalize pipeline model from major oil spill to provide guidance to regulatory agency on potential fine amount
- Develop forecasts for 10K+ wells in several states to assess probabilistic reserves for royalty fund prospectus
- Cost/benefit analysis for several drilling program options, gas sales plans, and production facility options
- Bid-out and executed production optimizations for several recently acquired assets (over 26 MMscfd production increase)
- Helped design and install simple water disposal management system with re-purposed materials

EDUCATION

The University of Texas at Austin

B.S. in Petroleum Engineering

2011

SKILLS

Petroleum engineering, mapping, geology, GIS, Python, Numpy, Scikit-learn, pandas, SciPy, matplotlib, SQL, databases, data science and visualization, Spotfire, PI, Raspberry Pi, Arduino, probabilistic analysis, artificial intelligence, petroleum economics, fluid flow, project development, process improvement, technical training, recruiting

ACCOMPLISHMENTS

Licensed Professional Engineer (California)

2014 – Present

Chevron engineering recruiter and team lead (Cal Poly, UCSD, and Stanford)

2013 – Present

Officer, Pi Epsilon Tau (Petroleum Eng. Honor Society)

2010 – 2011

Vice President / Officer, Tejas Club

2007 – 2011

Eagle Scout, Boy Scouts of America

2002

PERSONAL INTERESTS

Aviation – *Aircraft owner, private pilot, aerobatics and tailwheel training, aircraft mechanic apprentice, certified paraglider pilot*

Photography – *Maintain personal photography website with 6K photos and nearly 20K average views per day*

Travel – *visited or worked in 50 countries on 5 continents*

Programming – *developed various codes for personal projects:*

- Barometric “variometer” to audibly indicate altitude gains/losses while paragliding
- Create detailed plots and summaries of online personal weather station data
- Wall-mounted U.S. map with live-updating LEDs to indicate selected airport flight conditions
- Monitor and plot aircraft engine telemetry
- Query oil and gas production data from public sources and compile into informative maps, charts and databases

Fly-fishing, backpacking, playing guitar, Scuba diving