

# **RICHARD W. HOPPER, MBA, P.E.**

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## **BACKGROUND SUMMARY**

- Professional Petroleum Engineer with experience in reservoir engineering, production, and operations across multiple onshore and near-shore US basins
- Bachelor of Science in Petroleum Engineering from the University of Oklahoma and a Master of Business Administration from Louisiana State University
- Proven record of increasing value by driving up production and reducing operating costs
- Strong experience in developing and executing capital and wellwork programs to maximize returns and field value by converting unproven reserves into proven reserves
- Experienced in financial evaluation through field optimization
- Skilled in Python for Machine Learning and Data Analytics

## **EXPERIENCE**

### **Founder / Managing Partner**

Bourbon Bit Energy – Houston, TX

October 2020 – May 2021

- Secured \$50M in soft equity commitments from high net worth individuals and small family offices
- Evaluated over 30 on- and off-market acquisition opportunities in the Gulf Coast, East Texas, and Mid-Continent regions
- Developed financial model for analyzing opportunities including forecasting production, operating expenses, G&A, capital expenditures, and wellwork programs
- Created presentations and presented opportunities to investors for approval

### **Operations / Reservoir Engineer – Gulf Coast Basin**

Hilcorp Energy – Houston, TX

January 2018 – October 2020

- Managed approximately 6,750 BOED from over 150 wells across five fields and at least twenty-eight pay zones
- Developed and oversaw capital and wellwork programs within an approximately \$40M budget to optimize production including completing new drill wells, recompletions, and artificial lift optimization adding over \$125M in asset value
- Implemented four waterfloods increasing field production by 1,280 BOED and field value by 22% (\$52.8M) by adding 4.5 million barrels of reserves
- Performed pressure-transient analysis / rate-transient analysis to determine estimated uplift associated with gas lift changes and acid stimulations
- Calculated remaining reserves based on DCA and reservoir volumetrics to analyze economics on wellwork and capital projects
- Analyzed subsurface data, offset production, and well logs to calculate and appropriately risk reserves and forecast production

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## **Operations / Reservoir Engineer – Permian & Anadarko Basins**

Merit Energy – Dallas, TX

July 2014 – January 2018

- Planned and coordinated execution of capital and wellwork projects to maximize field value, increasing field value by 29% and \$15M PV10 from 2015 - 2017
- Conducted pre-acquisition due diligence on \$50 million assets including verifying production, revenue, and reserves from operated and non-operated wells
- Projected wellwork costs, capital costs, and production for fiscal year to present to investors and stakeholders
- Forecasted production based on capital programs and field decline, calculating productivity and estimated uplift

## **Well Integrity Engineer – San Juan Basin**

BP America – Houston, TX

September 2013 - June 2014

- Monitored and developed diagnostic procedures for well integrity anomalies such as sustained casing pressure, wellhead or valve failures, packer failures, and casing leaks
- Closed or mitigated over 75% of anomalies within the first month

## **Well Interventions Engineer – San Juan Basin**

BP America – Houston, TX

June 2011 - September 2013

- Developed and supervised over 120 well intervention procedures included pump changes, cleanouts, fishing, tubing repairs, squeeze cementing, acidizing, and wellhead changes
- Reduced rig costs by 30% saving over \$7 million per year

## **EDUCATION**

**University of Oklahoma** – Norman, OK

May 2011

Bachelor of Science, Petroleum Engineering

GPA: 3.2

**Louisiana State University** – Baton Rouge, LA

May 2017

Master of Business Administration

GPA: 4.0

## **LICENSES, CERTIFICATIONS, AND TRAINING**

Registered Professional Engineer – State of Texas

September 2019 – Present

FINRA Series 65 Uniform Investment Advisor

- Cobb Waterflood School
- Completions and Well Interventions
- Coil Tubing Interventions
- Decline Curve Analysis
- Investment Decision Analysis
- Well Performance
- Asset Management
- Applied Reservoir Engineering

## **SOFTWARE PROFICIENCY**

ARIES, PHDWin, Petra, Spotfire, Tableau, Harmony, WellView, StimPlan, Rod Star, Petrel