ANDREW PATRICK HIND

SUMMARY

Experienced oil & gas industry professional integrating my petroleum engineering education with my operations geology and petrophysical experience for consulting services

PROFESSIONAL EXPERIENCE

Manager   Aug 2021 – June 2024
Geological Data Library Inc., Houston, Texas
Manage business operations, accounting, member services, membership recruitment, and geotechnical services for data research of wells, logs, directional surveys, core, production, and maps for oil and gas prospecting members.

- Successfully negotiated data digitalization project with data service company to reduce operatings costs
- Increased membership by 10% over 6 months
- Collaborated with geologists, geophysicists, and engineers for successful prospect contracts

Support Geoscientist   Feb 2019 – July 2020
CGG, Houston, Texas
Provide North America customer support, consultation and training for Powerlog petrophysics software

- Received 95% client satisfaction for overall classroom training and technical presentation
- Created 2 classroom training programs utilized by training staff in 13 different countries

Petrophysicist   Dec 2012 – Dec 2016
Schlumberger, Houston, Texas
Provide customer support, consulting services and classroom training for Techlog petrophysics software

- Delivered software and database migration for multinational corporation under budget and timeframe
- Awarded for excellence in customer service skills, troubleshooting, resolution, and classroom instruction

Data Engineer   Aug 2007 – Dec 2012
Baker Hughes, Houston, Texas
Provide mudlogging and drilling data services to analyze and interpret geological data to guide drilling operations, make real-time decisions, ensure successful geologic data collection, monitor well performance, and manage geological and drilling data acquisition for onsite formation evaluation

- Company team leader for oil and gas drilling project in deepwater Gulf of Mexico and offshore Brazil
- Supervision and training assessment for 8 junior staff
- Data engineering for real-time pore pressure prediction and drilling optimization

Mudlogging Geologist   Oct 2005 – Aug 2007
Pason Systems USA Corporation, Golden, Colorado

- Real-time geological analysis and monitoring of rock and fluid samples onsite in Texas, Colorado and Utah
- Provided critical communication and accurate reporting to the client for insight into geological formations drilled

EDUCATION

Master of Petroleum Engineering with magna cum laude honors   May 2024
University of Houston Cullen College of Engineering – Houston, Texas

Bachelor of Science in Geology   Dec 2000
Minor in Mathematics
University of Texas at Arlington – Arlington, Texas

GRADUATE PROJECTS

- Integrated Reservoir Management: Study to improve development of a mature Permian Basin field
- Reservoir Characterization: Carbonate reservoir characterization with data analytics and statistics modeling
- Reservoir Simulation: History match and future production prediction with numerical reservoir simulation study
- Big Data Analytics: Comparison of machine learning algorithms for well log prediction
- Fluid Properties and Phase Equilibria: Black oil phase behavior PVT study and asphaltene screening
- Drilling and Completions: Investigation of downhole torque impact on D-exponent and well drilling optimization
- Petroleum Production Operations: Evaluate the development of a natural gas reservoir

CERTIFICATIONS
- Coursera - Programming for Everybody (Getting Started with Python)
- University of Houston - Certificate in Energy Leadership 2023
- CGG GeoSoftware Geoscience Software Instructor
- Schlumberger - Techlog Software Instructor
- Schlumberger - Wellbore Imaging Processing & Interpretation Instructor
- Schlumberger - Mapping the Subsurface with Petrel
- PetroSkills - Foundations of Petrophysics
- SEISPETRO - Petrophysical Multimineral Analysis
- Baker Hughes - Log Analyst Fundamentals of Formation Evaluation
- International Association of Drilling Contractors - Well Control

SOFTWARE
- Microsoft Suite – Excel, PowerPoint, Word, Teams
- Petrophysical software - Techlog
- Geological mapping - Petrel
- Petrophysical software - Powerlog
- Geostatistical modeling - SGeMS
- Numerical simulation - CMG Suite
- Fluid property simulation - PVTsim Nova 5
- Data management and visualization – Spotfire
- Reservoir Engineering - PHDWin
- Computer programming - Python 3.11
- Machine learning for big data analytics
- Databases – IHS, Enverus, TGS

PROFESSIONAL AFFILATIONS
- Society of Petrophysicists and Well Log Analysts (SPWLA)
- Editor for SPWLA Houston Chapter 2018
- Society of Petroleum Engineers
- American Association of Petroleum Geologists
- Houston Geological Society
- Geothermal Rising TXLAOK Regional Interest Group Committee Member
- Texas Geothermal Energy Alliance
- Pi Epsilon Tau – The Petroleum Engineering Honor Society at UH