

JESSICA DAVEY
Geologist / Office Manager



MHA Petroleum Consultants LLC

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EDUCATION

- B. S., Applied Geology, Metropolitan State University of Denver, May 2016
- M. S., Global Energy Management, University of Colorado Denver, June 2018
- Certificate in Field Geology, National University of Ireland – Galway, July 2015

PROFESSIONAL PROFILE

- Masters degree in Global Energy Management with relevant coursework in Global Energy Issues and Realities, Global Energy Economics, Project Management
- Geology graduate-level coursework and research foundation in oil and gas exploration, sequence stratigraphy and basin analysis, project assessment and valuation, and mineral thin sectioning and content analysis
- International geological field experience in Ireland, Germany, as well as Colorado Plateau, and Front Range Colorado involving mapping projects, outcrop analysis and logging, and field mineral testing
- Software knowledge including Petra, ArcGIS, and Microsoft Office Suite

WORK EXPERIENCE

MHA PETROLEUM CONSULTANTS, LLC: Denver, Colorado, U.S.A.

- (May 2017 – present) **Geologist and Office Manager**
Oversee daily activities for both offices and expanded the administrative role to include: invoicing, marketing and technical project support in addition to payroll, bookkeeping, human resources, tax reporting, and IT management. Conduct frequent reviews of expenditures vs. business goals and prepare cost-benefit analyses for executives and partners to inform decision making. On my initiative, I researched internet, telephone, and IT costs and switched providers saving the company more than \$20,000 annually. Developed Strategic Business Plan for MHA which the Partners utilized as the foundation for a strategy session, leading to a renewed marketing strategy and growth plan for the company.

Technical Project Support includes: Review and edit reserve and resource reports for geology and engineer staff:

Geologic research, core and log analyses, and basin mapping for conventional and unconventional exploration and development projects. Geologic modeling to include cross-section analysis, isopachs, and structure maps utilizing a sequence stratigraphic framework. Economic evaluations utilizing lease operating statements, recorded production, and reported oil and gas pricing forecasts.

DENVER EARTH RESOURCES LIBRARY: Denver, Colorado

▪ (July 2016 – May 2017) **Bookkeeper**

Managed membership accounts, monthly board meeting reports, and tax reports for 501(c)(3) non-profit that provides geologic resource materials pertaining to oil and gas exploration. Constructed financial statements and perform balance sheet reconciliation, as well as profit and loss (P&L) statement analysis. Met with Board of Directors monthly to communicate library needs and increase funding. Collaborated with Executive Director on developing current resources into electronic and searchable formats in an extensive database. Organized QuickBooks database, discovered over \$30,000 in previously uncollected past due accounts, successfully engaged the Executive Director in a collections campaign which recovered > \$13,000 for the Library.

DINOSAUR RIDGE: Morrison, Colorado

▪ (May 2014 – August 2015) **Volunteer**

Assisted with mapping of dinosaur tracks in algal mat deposit, measuring, photographing, and mapping of potential tracks. Collected, wet sifted, and sorted shale samples; cataloged micro-mammal fossils within the Jurassic age shale layers associated with the Morrison Formation exposed on the west side of Dinosaur Ridge.

BEHRE DOLBEAR MINING CONSULTANTS, INC.: Greenwood Village, Colorado

▪ (June 2015 – August 2015) **Geology and Research Intern**

Assisted with researching, writing, and editing the annual Where to Invest in Mining 2015 Report for global Mining and Consulting firm with offices in Australia, Hong Kong, United Kingdom, and the United States. Evaluated and summarized prior ten years consulting projects for searchable database to interface with website to enable easier navigation for internal associates and customers. Assessed 200 previous projects to pinpoint GPS coordinates and connect them to the mines that were utilized in Mexico, Chile, Malaysia, Russia, Kazakhstan and other worldwide locations. Developed mining sector marketing tools to increase new customer acquisition.

BEN PESHLAKAI (PRIVATE MINING INVESTOR): Denver, Colorado

▪ (June 2014 – July 2014) **Geological Consultant**

Investigated content for platinum using XRD, XRF, microchemical tests, and other nondestructive methods, for various mineral samples for a private mining investor. Compiled chemical breakdown and mineral composition in lab report which contained photos of all samples. Developed a final conclusion on the lack of platinum in the area and recommended against mining in that location.

PROFESSIONAL MEMBERSHIPS

- American Institute of Professional Geologists
- Rocky Mountain Association of Geologists
- American Association of Petroleum Geologists
- Denver Petroleum Club

LEADERSHIP AND VOLUNTEER EXPERIENCE

DENVER EARTH RESOURCES LIBRARY

- (January 2018-present) Board Member and Treasurer

Manage membership accounts, monthly board meeting reports, tax reporting and filings. Review company financials and recommend budgets for upcoming projects including the library digital update. Successfully proposed strategy to utilize geology interns from Metropolitan State University of Denver to provide inexpensive services to catalog and digitize library inventory for website update to increase online presence.

COLORADO SECTION OF AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS

- (January 2018-present) Executive Committee Member and Treasurer

Sponsor to the Metropolitan State University Student Chapter, providing support and guidance in the organization of events to fit the guidelines of AIPG National. Championed initiative to engage and retain Young Professional members by organizing inter-organizational social and networking events. Organize the annual dinner/student mentoring events and national conference associated events. Maintain social media presence through LinkedIn and Facebook to engage existing and new members. Represent AIPG in the education of Girl Scouts and Boy Scouts working on geology and paleontology badges on the importance of understanding how geology affects daily living.

RESEARCH AND PRESENTATIONS

Oral Presentation: **A Case Study of Reentry Economics for Mature and Abandoned Fields.** Presented at the AIPG Annual Conference in Colorado Springs, Colorado, 2018. Technical Paper to follow with co-authors John Seidle, Ph.D. and Jeffrey Aldrich, Partners at MHA Petroleum Consultants.

Poster Presentation: **Assessment of Remaining Oil & Gas Potential within the Desert Creek Formation of Papoose Canyon Field, Paradox Basin, Western Colorado.** Awarded 2nd Place in the Undergraduate Poster Competition at the 2015 AIPG Annual Conference in Anchorage, Alaska. Further work presented as an Oral Presentation at the 2016 AIPG Annual Conference in Santa Fe, New Mexico.

Poster Presentation: **Effects of the Boulder County, Colorado 2013 Flood on Geologic Features.** Presented at the Geological Society of America Annual Meeting, Vancouver, British Columbia, Canada. October 2014. Oral Presentation to Boulder County Parks and Open Space, July 2015; and at the 2015 AIPG National Conference in Anchorage, Alaska.