

Ben Quartermaine

Basin Analyst – Petro Geo Consult

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PROFESSIONAL SUMMARY

Basin analyst specialising in Rocky Mountain unconventional plays including the Niobrara, Codell, and Mancos Shale. Seven years of formation evaluation and geo-analysis delivering stratigraphy, formation tops interpretation, and play mapping for horizontal drilling programmes in Colorado, Wyoming, and Utah. Based in Denver and an active contributor to RMAG (Rocky Mountain Association of Geologists) annual meetings.

PROFESSIONAL EXPERIENCE

Basin Analyst

2021 – Present

Petro Geo Consult · Englewood, CO

- Deliver formation tops interpretation, stratigraphic cross-sections, and play mapping for DJ Basin (Niobrara/Codell), Piceance Basin (Mancos Shale), and Powder River Basin (Parkman/Frontier) drilling programmes.
- Build and maintain regional well databases integrating over 5,000 wells across Colorado, Wyoming, and Utah.
- Support remote geosteering team with pre-drill stratigraphic frameworks and landing zone recommendations.
- Contribute to annual RMAG technical sessions on Rocky Mountain unconventional play developments.

Geologist / Formation Evaluation Specialist

2017 – 2021

SRC Energy (Civitas Resources) · Denver, CO

- Conducted detailed Niobrara and Codell formation evaluation for horizontal well programmes in the Wattenberg Field, DJ Basin.
- Built integrated petrophysical models calibrated to core from Wattenberg wells; optimised landing zone selection.
- Performed well correlation and structure mapping across 1,200+ well dataset; identified fault trends affecting wellbore placement.
- Supported reservoir engineering team with static model inputs and net pay/saturation estimates for type curve development.

Junior Geologist

2019 – 2020

Encana (Ovintiv) · Denver, CO

- Assisted with DJ Basin Niobrara asset team geology activities including well log analysis and formation tops correlation.
- Conducted competitive intelligence analysis of offsetting operator well results.

EDUCATION

B.S. Geology

2013 – 2017

University of Wyoming · Laramie, WY

Focus on Rocky Mountain stratigraphy and structural geology. Senior thesis: Stratigraphic variability of the Niobrara Formation, DJ Basin.

TECHNICAL SKILLS

Geoscience Software:	Petrel, IHS PETRA, Kingdom Suite, RockWorks, ArcGIS
Formation Evaluation:	Well log correlation, formation tops, net pay estimation, cross-section construction
Database Management:	IHS Enerdeq, DrillingInfo (Enverus), WellView
Basin Experience:	DJ Basin (Niobrara/Codell/Codell), Piceance Basin, Powder River Basin, Washakie Basin

PROFESSIONAL AFFILIATIONS

- Rocky Mountain Association of Geologists (RMAG) – Member
- American Association of Petroleum Geologists (AAPG) – Member