

# Carlos Medina

## Drilling Geologist – Petro Geo Consult

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### PROFESSIONAL SUMMARY

Experienced drilling geologist with 12 years of formation evaluation and drilling geology expertise across the Permian Basin and DJ Basin. Specialist in real-time lithology identification, mudlogging data integration, and bit optimisation. Logged over 500 wells and guides drilling decisions that reduce NPT and improve footage drilled per day. AAPG member.

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### PROFESSIONAL EXPERIENCE

#### Drilling Geologist

2020 – Present

##### *Petro Geo Consult · Englewood, CO*

- Provide real-time formation evaluation support for drilling operations in the Permian Basin (Wolfcamp, Bone Spring) and DJ Basin (Niobrara, Codell).
- Integrate mudlog, LWD, and offset well data to identify casing points, formation tops, and potential drilling hazards.
- Advise on bit selection and weight-on-bit optimisation based on real-time lithology trends and ROP data.
- Compiled post-well geological reports for 180+ wells; results fed into client completion and landing zone optimisation studies.

#### Wellsite Geologist / Mudlogging Supervisor

2014 – 2020

##### *Weatherford International · Midland, TX*

- Supervised mudlogging operations and provided geological oversight for horizontal wells in the Midland and Delaware Basins.
- Managed mud sample descriptions, gas chromatography, and hydrocarbon show detection for operator clients including Centennial Resource and Laramie Energy.
- Trained junior mudloggers and wellsite geologists in formation evaluation techniques and QA/QC procedures.
- Coordinated with directional drillers and company man to optimise drilling parameters and reduce stuck pipe incidents.

#### Mudlogger / Junior Geologist

2012 – 2014

##### *Pason Systems · Denver, CO*

- Operated instrumented mudlogging units on horizontal wells in the DJ Basin and Piceance Basin.
- Recorded real-time drilling parameters, lithological descriptions, and gas shows; transmitted data to operator offices.

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### EDUCATION

#### B.S. Earth and Planetary Sciences

2008 – 2012

##### *University of New Mexico · Albuquerque, NM*

Focus on sedimentary geology and economic geology. Senior capstone: Stratigraphy of the San Juan Basin.

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### TECHNICAL SKILLS

<b>Mudlogging Systems:</b>	Pason EDR, National Oilwell TOTCO, Hunting Titan CHORUS
<b>Formation Evaluation:</b>	Lithology ID, gas chromatography, fluorescence analysis, porosity estimation
<b>Geoscience Software:</b>	Kingdom Suite, WellView, Spotfire, IHS Enerdeg
<b>Basin Experience:</b>	Permian Basin (Midland/Delaware), DJ Basin, Piceance Basin, San Juan Basin

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### PROFESSIONAL AFFILIATIONS

- American Association of Petroleum Geologists (AAPG) – Member
- Association of International Petroleum Negotiators (AIPN) – Associate Member