

Rachel Thorn

Senior Petrophysicist – Petro Geo Consult

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PROFESSIONAL SUMMARY

Accomplished petrophysicist with 12 years of log analysis, core-calibrated rock typing, and reservoir characterisation across both carbonate and clastic systems. Evaluated 400+ wells across the Permian Basin, Anadarko Basin, and Gulf of Mexico shelf. Integrates petrophysical models into real-time geosteering workflows, ensuring maximum wellbore exposure to pay intervals.

PROFESSIONAL EXPERIENCE

Senior Petrophysicist

2019 – Present

Petro Geo Consult · Englewood, CO

- Lead all petrophysical evaluation activities, including log QC, environmental corrections, and multi-well interpretation.
- Develop core-calibrated rock typing and saturation models for unconventional plays across 6 US basins.
- Integrate petrophysical results into real-time geosteering programmes, defining optimal landing zones and steering targets.
- Support M&A; technical due diligence with rapid-turnaround well log evaluation and reserve estimation.

Petrophysicist

2015 – 2019

Devon Energy · Oklahoma City, OK

- Conducted comprehensive log analysis for Anadarko Basin (SCOOP/STACK) and Delaware Basin horizontal programmes.
- Built multi-well petrophysical models integrating core porosity, permeability, and capillary pressure data.
- Delivered rock typing workflows that improved completion design efficiency by identifying optimal perforation clusters.
- Co-authored petrophysical standards manual adopted company-wide for unconventional assets.

Petrophysicist

2012 – 2015

Apache Corporation · Houston, TX

- Performed formation evaluation on conventional and unconventional targets across the Permian Basin and Gulf of Mexico shelf.
- Interpreted wireline, LWD, and cased-hole logs for exploration, appraisal, and development wells.
- Contributed to annual reserve certification process, providing log-based net pay and saturation estimates.

EDUCATION

B.S. Geophysics

2008 – 2012

Colorado School of Mines · Golden, CO

Dean's List. Senior thesis on petrophysical characterisation of tight carbonate reservoirs, Palo Duro Basin.

TECHNICAL SKILLS

Petrophysics Software:	Interactive Petrophysics (IP), Techlog, Elan Plus, RokDoc
Log Analysis:	Wireline, LWD/MWD, cased-hole pulsed neutron, dielectric log interpretation
Rock Typing:	Core-to-log integration, NMR, MICP, Leverett J-function, Winland R35
Basin Experience:	Permian Basin, Anadarko Basin (SCOOP/STACK), Gulf of Mexico shelf

PROFESSIONAL AFFILIATIONS

- Society of Petrophysicists and Well Log Analysts (SPWLA) – Member
- American Association of Petroleum Geologists (AAPG) – Member