

# Sarah Mitchell

## Wellsite Geologist – Petro Geo Consult

Email: sarah.okonkwo@petrogeoconsult.com | Midland, TX

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### PROFESSIONAL SUMMARY

Accomplished wellsite geologist with 10+ years of mudlogging and wellsite formation evaluation experience across major US unconventional plays. Provides real-time lithological analysis, gas show detection, and cuttings description to optimise drilling parameters and casing-point selection. Integrates mudlogging data with LWD suites and offset well logs to deliver continuous subsurface intelligence from spud to total depth. Active AAPG member.

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### PROFESSIONAL EXPERIENCE

#### Wellsite Geologist

2018 – Present

*Petro Geo Consult · Englewood, CO*

- Provide full-time wellsite geology coverage on horizontal wells across the Permian Basin, Eagle Ford, and DJ Basin.
- Conduct real-time lithological analysis from drill cuttings; identify pay zones, formation changes, and drilling hazards.
- Operate gas chromatography units; detect and classify hydrocarbon shows to guide casing point selection and coring decisions.
- Integrate LWD gamma ray and resistivity curves with mudlog data and offset well logs to build real-time stratigraphic models.
- Produce detailed daily geological reports and final well summaries for client asset teams.

#### Mudlogger / Wellsite Geologist

2013 – 2018

*Weatherford International · Midland, TX*

- Operated mudlogging units and provided wellsite geology services on 150+ Permian Basin (Spraberry/Wolfcamp) wells.
- Supervised junior mudloggers; maintained instrument calibration and data integrity across multi-well pad operations.
- Coordinated real-time data transmission to client WITSML servers; supported geosteering teams with formation updates.

#### Mudlogger

2013 – 2014

*Pason Systems · Denver, CO*

- Monitored drilling parameters and geological shows on DJ Basin horizontal wells.
- Maintained electronic drilling recorder data and flagged anomalous trends to company man.

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### EDUCATION

#### B.S. Geology

2009 – 2013

*Texas Tech University · Lubbock, TX*

Minor in Chemistry. Member of the TTU AAPG Student Chapter.

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### TECHNICAL SKILLS

<b>Mudlogging Systems:</b>	Pason EDR, Drilling Systems MudCloud, National Oilwell TOTCO
<b>Formation Evaluation:</b>	Cuttings description, gas chromatography, fluorescence, lag-depth calibration
<b>Geoscience Software:</b>	Kingdom Suite, WellView, IHS Enerdeq, PETRA
<b>Basin Experience:</b>	Permian Basin (Midland/Delaware), Eagle Ford, DJ Basin, Anadarko Basin

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### PROFESSIONAL AFFILIATIONS

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