

Elena Vasquez

VP of Field Operations – Petro Geo Consult

Email: elena.vasquez@petrogeoconsult.com | Austin, TX

PROFESSIONAL SUMMARY

Dynamic wellsite geologist and directional drilling specialist with 15 years of hands-on experience across the Eagle Ford, Permian Basin, and Bakken. Former Schlumberger Consulting Services geologist with deep expertise in real-time formation evaluation, LWD interpretation, and geosteering decision-making. Leads Petro Geo Consult's onsite field teams to deliver consistent wellbore quality and maximise reservoir contact on horizontal wells.

PROFESSIONAL EXPERIENCE

VP of Field Operations

2020 – Present

Petro Geo Consult · Englewood, CO

- Lead all onsite wellsite geology and field operations teams across the US, supervising 12 wellsite geologists and field coordinators.
- Develop and enforce field standard operating procedures for formation evaluation, cuttings description, and geosteering support.
- Coordinate real-time data transmission between wellsite and remote operations centres to enable 24/7 subsurface intelligence.
- Reduced average wellbore placement error by 22% through implementation of enhanced LWD data review protocols.

Senior Wellsite Geologist / Geosteering Consultant

2013 – 2020

Schlumberger Consulting Services (SLB) · Houston, TX

- Deployed as embedded wellsite geologist and geosteering consultant for major operators in the Eagle Ford (Karnes Trough), Permian Basin (Midland/Delaware), and Bakken (Mountrail County).
- Provided real-time LWD and MWD interpretation to maintain optimal wellbore trajectory in target landing zones 4–8 ft thick.
- Compiled post-well geological reports integrating mudlog, wireline, and LWD data for client asset teams.
- Delivered geosteering training workshops to client geoscientists and drilling engineers.

Wellsite Geologist

2009 – 2013

Pioneer Natural Resources · Midland, TX

- Provided continuous wellsite geology coverage on Wolfcamp and Spraberry horizontal wells in the Midland Basin.
- Managed mudlogging contractor quality, gas show reporting, and real-time formation identification for 60+ wells per year.
- Collaborated with completion engineers on casing point selection and perforation interval recommendations.

EDUCATION

B.S. Geology

2005 – 2009

University of Texas at Austin · Austin, TX

Graduated with Honours. Specialisation in sedimentary geology and stratigraphy.

TECHNICAL SKILLS

LWD/MWD Tools:	Schlumberger EcoScope, GeoSphere, PowerDrive; Halliburton AFR; Baker Hughes OnTrak
Geoscience Software:	Petrel, Techlog, WellPlan, Kingdom Suite
Formation Evaluation:	Real-time gamma ray, resistivity, neutron-density, image log interpretation
Basin Experience:	Eagle Ford, Permian Basin (Midland & Delaware), Bakken/Three Forks

PROFESSIONAL AFFILIATIONS

- American Association of Petroleum Geologists (AAPG) – Member

- Society of Petrophysicists and Well Log Analysts (SPWLA) – Member