

James Harrington

Geosteering Specialist – Petro Geo Consult

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PROFESSIONAL SUMMARY

Highly skilled geosteering specialist with 10 years of real-time directional control across the Eagle Ford, Niobrara, and Marcellus. Expert in interpreting LWD and MWD data streams to maintain optimal wellbore trajectory through thin, structurally complex pay zones with minimal time-on-bottom corrections. Steered over 300 horizontal wells with an exceptional record of wellbore placement accuracy.

PROFESSIONAL EXPERIENCE

Geosteering Specialist

2019 – Present

Petro Geo Consult · Englewood, CO

- Provide real-time geosteering services for horizontal wells in the Eagle Ford (Karnes/DeWitt), Niobrara (DJ Basin), and Marcellus (Lycoming/Bradford counties).
- Interpret LWD gamma ray, resistivity, neutron-density, and image logs to maintain wellbore in target landing zones 4–12 ft thick.
- Issue steering recommendations to directional drillers based on subsurface model updates and formation dip interpretation.
- Achieved 98.2% net pay capture rate across 300+ steered wells; zero wellbore sidetracks attributable to geological misinterpretation.

Remote Geosteering Geologist

2016 – 2019

Baker Hughes (BHGE) · Houston, TX

- Delivered remote geosteering services for Appalachian Basin (Marcellus, Utica) and Eagle Ford operators.
- Leveraged AutoTrak Curve and PointTheSteering BHA data to optimise bit position in real time.
- Participated in post-well reviews and geological lessons-learned sessions to improve landing zone models.
- Collaborated with asset team geologists to update structural models based on real-time well results.

Wellsite Geologist

2014 – 2016

Chief Oil & Gas · Philadelphia, PA

- Provided wellsite geology coverage and real-time formation evaluation for Marcellus Shale horizontal wells in northeast Pennsylvania.
- Managed mud sample descriptions, gas shows, and LWD data QC; reported daily to asset team.
- Assisted with curve-section wellbore placement decisions using offset well log correlations.

EDUCATION

B.S. Geology

2010 – 2014

Pennsylvania State University · University Park, PA

Concentration in Earth and Mineral Sciences. Relevant coursework: Petroleum geology, structural geology, geophysics.

TECHNICAL SKILLS

Geosteering Tools:	Landmark RTOC, Rogii Studio, GeoSteering Technologies GSteer
LWD/MWD Interpretation:	GR, resistivity, neutron-density, sonic, borehole image logs
Geoscience Software:	Petrel, Kingdom Suite, WellPlan, Spotfire
Basin Experience:	Eagle Ford, DJ Basin (Niobrara/Codell), Marcellus, Utica

PROFESSIONAL AFFILIATIONS

- American Association of Petroleum Geologists (AAPG) – Member

- Society of Petroleum Engineers (SPE) – Member