

Thomas Brandt

Senior Seismic Interpreter – Petro Geo Consult

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PROFESSIONAL SUMMARY

Senior seismic interpreter with 14 years of 3D seismic interpretation, AVO analysis, and geophysical data integration across multiple US basins and the Gulf of Mexico. Expert user of Petrel and Kingdom Suite for structural and stratigraphic framework development. Delivers prospect-ready geophysical products that directly feed horizontal well geosteering plans. Formerly with a major seismic data company with expertise in pre-stack depth migration and attribute analysis.

PROFESSIONAL EXPERIENCE

Senior Seismic Interpreter 2021 – Present

Petro Geo Consult · Englewood, CO

- Deliver 3D seismic interpretation and structural framework products to support horizontal well planning and geosteering.
- Perform AVO analysis, seismic attribute extraction, and DHI assessment to de-risk Wolfcamp, Niobrara, and Haynesville targets.
- Integrate seismic with well log and production data to define stratigraphic traps and optimal landing zone geometries.
- Produce depth-converted maps and interpreted seismic sections for client technical and investment presentations.

Geophysicist / Seismic Interpreter 2014 – 2021

TGS-NOPEC Geophysical Company · Houston, TX

- Managed multi-client 3D seismic interpretation projects across the Gulf of Mexico deepwater and US onshore basins.
- Conducted pre-stack depth migration quality control and velocity model building for PSDM datasets.
- Performed rock physics analysis and synthetic seismogram generation for well tie and wavelet extraction.
- Delivered technical reports and presentations to 30+ operator clients; contributed to multi-client data marketing efforts.

Geophysicist 2010 – 2014

Anadarko Petroleum Corporation · The Woodlands, TX

- Interpreted 3D seismic volumes for deepwater Gulf of Mexico exploration, including Paleogene turbidite plays.
- Conducted horizon autopicking, fault interpretation, and volumetric attribute extraction using Petrel.
- Supported exploration team with AVO crossplot analysis and fluid substitution modelling.

EDUCATION

M.S. Geophysics 2008 – 2010

University of Texas at Austin · Austin, TX

Thesis: Rock physics-based AVO modelling of deepwater Gulf of Mexico Wilcox sands.

B.S. Geology and Geophysics 2004 – 2008

Texas A&M; University · College Station, TX

TECHNICAL SKILLS

Seismic Interpretation:	Petrel, Kingdom Suite, OpendTect, Paradigm SKUA-GOCAD
Seismic Processing:	PSDM QC, velocity model building, PSTM, noise attenuation workflows
Attribute Analysis:	Spectral decomposition, curvature, similarity, sweetness, relative acoustic impedance
Rock Physics:	AVO/AVA analysis, Gassmann fluid substitution, rock physics templates
Basin Experience:	Gulf of Mexico (deepwater/shelf), Permian Basin, Anadarko Basin, Haynesville

PROFESSIONAL AFFILIATIONS

- Society of Exploration Geophysicists (SEG) – Member
- American Association of Petroleum Geologists (AAPG) – Member
- European Association of Geoscientists and Engineers (EAGE) – Member