



CV / Résumé

Peter Strauss

30+ years Oil Industry experience.

B.Sc. (Hon) Geology, Stellenbosch, South Africa, 1980

B.Sc. Geology & Physics, Stellenbosch, South Africa, 1979

Current - Consulting Geophysicist AusGeos Pty Ltd., Adelaide, Australia

- Focusing on Interpretation and Processing
- Seismic Processing and Re-processing of seismic 2D & 3D data (focusing on difficult seismic data and Geology-driven & Interpreter-driven processing, PSDM, Azimuthal - fracture detection). Cooper basin, Bight, Carnarvon, Gippsland, Otway (onshore * offshore), Indonesia, PNG highlands, Tanzania, Gulf of Suez, Western desert.
- Seismic Interpretation, structural and stratigraphic, 2D/3D, KNOC data offshore Korea.
- Advanced attribute analysis, AVO, seismic inversion to rock properties, EEI inversion to lithology & fluids
- In-field real-time Seismic Processing and QC, Carnarvon, WA
- Seismic processing oversight
- Depth Conversion
- Seismic survey (2D/3D) design
- Seismic modelling
- New Ventures

Santos Ltd., Adelaide, Australia, 12 years (to 2011)

Senior Staff Geoscientist

Interpretation focus areas: North West Shelf ranging from detailed 3D development geophysics through to regional 2D interpretation for prospect mapping and acreage evaluation (including Exmouth Plateau). Lead interpreter in Browse basin blocks WA-274-P, WA 281-P, WA-411-P and WA-410-P, various datasets including: Ichthys 3D, Poseidon 3D, Copernicus 3D, Mega Merge 3D & 2D super tie. Lead interpreter for Carnarvon basin, Zola field evaluation plus prospect generation and evaluation of the Alpha arch (Minden 3D and Mega Merge 3D plus Super Tie 2D). Lead interpreter Mutineer 3D, Finucane South. Interpreter for Spar and Halyard (West Anchor 3D plus Mega Merge). International: Egypt, Lybia, Tunisia, Indonesia.

Seismic processing focus areas: Seismic Depth Migration (PSDM). Single handed, complete pre-stack depth migration of the 300 sq km Q-Marine Mutineer-Exeter 3D (PSDM) led to a more accurate depth conversion, better understanding of the impact of the overburden on the structure, and was critical in the successful development of the Mutineer-exeter field for Santos.

Other PSDM processing (Cooper basin, SE-July 3D Gulf of Suez)

Geophysical Interpretation 3D/2D, Seismic Processing, Seismic Processing QC, Attribute analysis, AVO, Seismic Inversion, Depth-conversion, New Ventures, Modelling.

Contractor Energy Africa (to 1999)

Exploration, Seismic interpretation variety of 2D and 3D datasets.



Soekor Ltd., Capetown, South Africa, 18 years (to 1998)
Senior Geophysicist

Seismic marine bird-dog, on-board 2D/3D processing QC all South African offshore basins. Seismic Processing. Geophysical Interpretation 3D/2D. Regional geophysics and field development geophysics. Modelling, Attribute analysis, AVO, Seismic Inversion, Depth-conversion.

Software Proficiency:

Most Seismic interpretation systems: Paradigm, IESX/Geoframe, Landmark, VoxelGeo, DUG Insight, OpendTect.

Seismic Processing systems: Globe Claritas, Seismic Unix, Promax.

Modelling and Mapping systems: Hampson Russell (STRATA, AVO), Petrosys

All computer platforms.

Publications:

Jan L. Fatti, George C. Smith, Peter J. Vail, Peter J. Strauss, and Philip R. Levitt. 1994. Detection of gas in sandstone reservoirs using AVO analysis: A 3-D seismic case history using the Geostack technique. Geophysics, Vol. 59, No 9.



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