

David Ricardo Vidal Barrios

Abu Dhabi, UAE

<https://www.linkedin.com/in/david-ricardo-vidal-barrios-22075249>

david.ricardo.vidal@outlook.com / +971 505620571

Senior Geophysicist

Accomplished, self-motivated, and driven Geophysicist with 25+ years of demonstrated history in successfully managing 2D/3D QC seismic operations and field processing for land, marine and transition zone data. implementing solutions to geophysical challenges and providing leadership within the oil and gas industry.

Strategic leader well-versed in seismic data acquisition and processing, seismic operations management, and liaising with geophysical and geological personnel to improve image resolutions and produce compliant and timely completion of project deliverables. Adept in utilizing various software to initiate, execute, and analyze all aspects of the seismic exploration cycle, ensuring compliance with technical and HSE standards and regulations.

TECHNICAL PROFICIENCIES

Software: Testifi for Vib QC. Petrel 2018; Mesa 12; Omni- V2016; KL-Seis5; Norsar 3D 2016; Echos 1.0 (Focus Epos 3.0); Vista-GEDCO V14 Processing Software; SeisSpace/Promax 2D-3D V.6.0.2.; Landmark-Openworks, Syntool; Seiswork.

PROFESSIONAL EXPERIENCE

September 2025-Currently – Kuwait Energy Basra Limited. Basra, Iraq.

Senior Geophysicist / QC and evaluation of Seismic Survey design and supervision of seismic operations using vibroseis (Sercel Nomad 65 Neo). Implementing rigorous QA/QC procedures to maintain data integrity and full compliance with seismic project specifications and HSE standards.

2022-2025 CNPC-BGP Offshore Abu Dhabi, UAE.

Senior Geophysicist / Seismic Project Manager. Blasting Engineer. Operation manager for loading and shooting with Explosive in ADNOC 3D TZ Project using Boombox 3 in autonomous mode. Responsible for all Blasting operations and planning and QC for Blasting Seismic Recording.

2021 2022 Orica-Emex LLC Abu Dhabi, UAE.

Senior Geophysicist / Seismic Project Manager. Blasting Engineer. Operation manager for loading and shooting with Explosive in ADNOC 3D TZ Project using Boombox 3 in autonomous mode. Responsible for all Blasting operations, planning, and QC for Seismic Recording along with BGP Offshore.

2019-2021 Five Continents Verif-i, Abu Dhabi, UAE.

Senior Geophysicist / Lead-QC- ADNOC Client Representative.

Client representative and management of seismic operations. Quality control in seismic data acquisition and onsite processing for OBC 3D Project in B6 Al Yasat area, Abu Dhabi. Operation planning and contractor supervision.

Support for Navigation, HSE, Marine and Environmental QC activities.

2018-2019 ORICA-EMEX, Abu Dhabi, UAE

Senior Geophysicist / Seismic Project Manager / Blasting Engineer.

Designed acquisition plans for blasting shot-points, determined data recording strategies and electronic quality control for blasting instrumentation system. Performed seismic recording quality Control and conducted HSE advising in cooperation with CGG-ARGAS/SEABED companies.

Project: ADNOC - Ramhan 3D OBC/Transition Zone Project.

2013-2018 YPFB ANDINA S.A, Santa Cruz, Bolivia

Chief Geophysicist / Seismic-Operation Leader.

Planned manpower needs and project assignments, designed and performed quality control on seismic and non-seismic methods, such as Gravity and Magnetotelluric (MT), and conducted bidding preparation for Seismic acquisitions and processing projects. Managed all aspects of 2D seismic survey and final processing until PSDM Kirchhoff, CRAM and RTM.

Liaised with a cross-functional team, comprised of geophysical and geological interpreters, in charge of employing state-of-the-art technologies to improve image resolution and signal to noise ratio in Thrust belt geology structures.

Key Projects & Contributions:

Served as Technical representative for operating and non-operating areas.

Successfully designed, planned, and completed more than 1300km during a project that contained 2D seismic surveys and seismic processing until PSDM for complex geological targets.

Project: Palacios Norte 2D (115 km). Sararenda 2D, MT and gravity (430 km). Carohuaicho 2D, MT and gravity (807 km): Designed surveys, acquired seismic data and processing. MT and Gravity quality control.

2007-2013 PDVSA E&P, Puerto La Cruz/Barinas, Venezuela

Lead Geophysicist, Client Representative, Seismic Survey Designer & Operation Planner.

Directed all geophysical activities, supervised 2D/3D seismic surveys, and conducted final processing duties for various projects, guaranteeing high quality and timely deliverable at all times. Provided support on several geophysical assets including, but not limited to, seismic survey design, processing and modelling for sedimentary basins and risk analysis.

Collaborated with a team of industry professionals to define, design, and perform all phases of seismic exploration lifecycle; ensuring to adhere with business objectives, HSE requirements, and best practice standards.

Key Projects & Contributions:

Successfully strategized, provided geophysical supervision, and completed more than 12 onshore and offshore (land and marine and Transition Zone) seismic survey projects, complete with seismic acquisition and processing procedures.

Project: Junín 2D land, Boyacá 2D3C land, Barinas Oeste (West) 3D land, Cardon 3D Marine, Caribe (Caribbean) 3D Marine, Dragon 3D Marine, Mantua 2D OBC/Transition Zone, Cuba GOM 3D Marine, Lindero 3D3C land, Vedero 3D3Cland, Barinas Oeste 3D land, Paez Mingo 3D land.

2003-2007 BGP International of Venezuela / Mexicana, Caracas, VE / Reynosa, MX

Seismic Data Processor/Field QC Geophysicist.

Processed and field quality control geophysical data, in support of seismic explorations activities, supervised quality control projects, and conducted 3D seismic surveys with the aim of acquiring information for various projects and responsible for final delivery products to the Clients (PEMEX and PDVSA).

Key Projects & Contributions:

Project: Barinas Oeste 3D. Rio Bocono 2D: Served as a 2D&3D Seismic Data Processor; responsible for executing all data processing duties, until PSTM, during the execution of the Venezuelan-based project.

Project: China-Duna 3D. San Fernando 3D, Mezcalero 3D: Functioned as a Quality Control Geophysicist; in charge of implementing all phases of data processing during this Mexican-based project.

2000-2003 WesternGeco of Venezuela/SLB-Geoquest

Geophysicist and Seismic Data Processor for WesternGeco of Venezuela. Processing of 2D and 3D Seismic data.

EDUCATION

Geophysical Engineering, Simon Bolivar University, Caracas, VE.

Professional Development

Omni & Vista V.14 GEDCO, Seismic Survey Design and Modelling Open Works Release 5000. Syntool, Seiswork, SeisSpace Promax 3D Symmetric Sampling/3D SymSam, and Gijss Vermeer, EAGE Short Course ProMax V.6.0.2. Seismic Processing Data 2D and 3D. Landmark, Halliburton VSP/Well logs interpretation, VS Fusion, CGG-Halliburton HUET and IMO Learning Management System, WesternGeco, Geophysical Modules.

PROFESSIONAL & COMMUNITY INVOLVEMENT

S.E.G. Active member.

EAGE associate member.

PUBLICATIONS

Vidal, D., Ledezma, J., Calle, J., Ballesteros, B., Miranda, J., Safer Seismic Energy for Complex Geological Imaging. **First Break** 37, 83 (2019).

Ramos, S., Pérez, Y., Álvarez, P., Vidal, D. Potential Benefits of 3D-3C seismic data for the reservoir characterization of an extra-heavy oil reservoir and its seismic survey design. E-poster at **82nd SEG annual meeting**. Las Vegas Nov. 2012.

Vidal, D. Alarcon, P., Deiros, D., Missing and duplicate sample phenomenon in marine seismic data recording: Causes and quality-control procedures for its detection, **The Leading Edge** 30, 452 (2011).

Vidal, D., Moreno, A., Statistical parameter flexibility for processing navigation data, **The Leading Edge** 29, 414 (2010).