



<p>EDUCATION</p> <p>B. Sc. Geophysical Engineering Universidad Central de Venezuela, Venezuela 1996</p> <p>EXPERTISE</p> <p>Reservoir Characterization</p> <p>3D seismic interpretation</p> <p>Integration of seismic, petrophysical and production data</p> <p>Geostatistics</p> <p>Prospect Evaluations</p> <p>Drilling Operations and well monitoring</p> <p>LANGUAGES</p> <p>Fluent in English and Spanish</p> <p>ASSOCIATIONS</p> <p>Society of Exploration Geophysicists</p>	<p>PROFESSIONAL HIGHLIGHTS</p> <p>Over 18 years of Geoscience 3D seismic interpretation and mapping experience in diverse assignments both in South Texas (Gulf Coast Basin) and Venezuela (Maracaibo and Eastern Basins). Excelling on multidisciplinary teams involved with varying reservoir characterization projects.</p> <ul style="list-style-type: none"> ▪ Personally focused on achieving results, detailed documentation and team development. ▪ Integrating both well log data and petrophysical analysis, building structural framework and generating reservoir property maps and identifying drilling opportunities. ▪ Expertise in geomodeling, seismic attributes analysis, synthetic seismograms, velocity models and well data loading. ▪ Geosteering multilaterals in a very complex fluvial depositional environment. ▪ Superior ability utilizing specialized interpretative software as Openworks; 3D modeling software as Petrel, and the visualization software ArcGIS. ▪ Strong analytical skills leading to consistent achievement of individual and team objectives. ▪ Capable of working well under pressure and short decision times. ▪ A desire to learn, grow professionally and take on new and challenging projects. <p>WORK EXPERIENCE</p> <p>CONOCOPHILLIPS, HOUSTON, TX (2007–2015) STAFF GEOSCIENTIST</p> <ul style="list-style-type: none"> ▪ Responsible for the reservoir characterization studies, generating the necessary prospects to fulfill the drilling obligations and also being the primary contact during drilling and log running operations ▪ Lead geoscientist in a reservoir characterization study in the BMT field and Vaquillas field. Found a total of 222 bcf and 522 bcf of remaining natural gas, respectively. High potential areas for new drilling locations were identified in both fields. Specifically responsible for building the structural maps, isopach maps, integration of seismic data, well logs and volumetric calculations in both projects. ▪ Completed all documentation for Vaquillas field and data cataloging for Vaquillas, Gato Creek, FNB and South Walker Ranch in preparation for COP South Texas asset divestiture's Data Room. ▪ Actively participated in the identification and justification of over 300 new drill locations in the whole South Texas Lobo Asset. ▪ Built a geocellular model for reservoir properties (Vshale, Sw, porosity and facies) using Petrel in BMT field. ▪ Conducted exploration study looking for shallow potential in South Texas gathering and analyzing the existing information, production data, well logs (digital and raster), literature, and 3D seismic. Completed structural map for the top of the Yegua formation and identified prospect areas base on structural closures. ▪ Completed 3D seismic interpretations of three Lower Wilcox horizons corresponding to Lobo sands in the BMT field located in Webb Country, Texas. ▪ Designed and presented information and recommendations (peer review) for 18 vertical wells drilled in the 2008, 2009 and 2010 drilling campaigns, being the primary contact for all drilling decisions related to these wells ▪ Supported the production team during the recompletion process identifying behind the pipe potential, well log correlation and data integration. ▪ Provides ongoing geological support to the production team during Plug & Abandon programs ▪ Staff Geoscientist, Lower 48 Unconventional Resources: Responsible for quality control and discussion with the geoscientist of the partner company in the common drilling efforts in our mutual interest area. ▪ Performed 2D seismic balancing and interpretation of the Austin Chalk horizon in Live Oak County, TX <p>PETROZUATA, C.A., PUERTO LA CRUZ, VENEZUELA (2004–2007) STAFF GEOSCIENTIST</p> <ul style="list-style-type: none"> ▪ Responsible for finding promising locations for future development by updating all maps and the velocity model, and performing volumetric calculations as an input for the company long range plan. ▪ Responsible for 3D seismic interpretation as an input to reservoir characterization modeling planned for 2006 and 2007. ▪ Maintained and updated the velocity model and isopach maps for Stock Tank Oil Originally in Place (STOPIP) calculation and long range planning review. ▪ Planned and designed multilateral wells during the 2004 and 2005 drilling campaigns. Analyzed
--	---

and recommended locations for new drilling targets. Responsible for all drilling decisions for these wells.

- Updated net oil maps and lithofacies maps based on new well information.

PDVSA – EXPLORATION & PRODUCTION, PUERTO LA CRUZ, VENEZUELA (2000–2004) STAFF GEOSCIENTIST

- Responsible for building the structural framework integrating previous interpretations in different 3D seismic volumes and 2D data and keeping the velocity model updated with new well information.
- Lead geophysicist in supporting the horizontal drilling campaign for the Bare Field project.
- A key member of the multi-disciplinary team on the Bare Field project responsible for defining the structural and stratigraphic framework for the RO and TL interval utilizing 363 wells and seismic data.
- Bare Field work formed the basis for a 3D static model of the reservoir and was used input for the dynamic model. Responsible for the generation of the time-depth velocity model.
- Generated 39 appraisal and developmental locations as part of the 2003 exploitation program for the Trampa 15 project. Work required the integration of multiple vintages of 2D and 3D seismic data with field well control.
- Completed revision of the geological correlations on the Trampa 15 project using synthetic seismograms and 3D seismic. Utilized Seismic Facies analysis to characterize two different reservoirs. A classification algorithm based on neuronal network was required to validate facies mapping

PETROZUATA, C.A., PUERTO LA CRUZ, VENEZUELA(1997–2000) STAFF GEOSCIENTIST

- Responsible for planning, designing and geosteering horizontal wells and building the velocity model. Responsible for permitting and presenting projects to local and national authorities (Venezuelan Energy and Mines Ministry).
- Performed 3D seismic interpretation of regional and reservoir scale.
- Planned and geosteered over 47 multilateral wells in a very complex fluvial depositional environment.
- A key member of a multi-disciplinary team responsible for field development. Planned and supervised the acquisition of vertical seismic profiles and checkshots

MARAVEN, S.A., CARACAS, VENEZUELA (1995–1997) GEOSCIENTIST

- Responsible for building the structural framework and finding prospects accordingly.
- Performed structural 3D seismic interpretation of Block XII and Block XV in the Maracaibo Basin. Prepared in depth structural maps (Geophysical Engineer Thesis).
- Designed and supervised the acquisition of checkshots for a project of secondary recovery of the area VLC 100/949