LORENZO IZARRA
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SENIOR GEOPHYSICIST AND DATA MANAGEMENT

20 years of experience in the energy industry providing solutions and technology for large Oil/gas companies. Provided technical support to Geologists, Geophysicists and Reservoir Engineers, in software applications. Assisted in the management of well and 2D/3D seismic databases. Contribute to solutions, ensuring data quality control, support geoscience applications and workflows including training and mentoring. Team-work skills with the ability to work across multiple disciplines. Excellent analytical and problem-solving skills, leadership, and organizational skills with outstanding communication and presentation skills. Experience in assessments of exploration and development of reservoirs in conventional and unconventional plays in the USA and Latin America.

AREAS OF EXPERTISE

- Subject matter expert for geological and geophysical datatypes and workflows including training and mentoring.
- Supervised and monitored data locating, collecting, processing, and uploading well and seismic data into applications, maintaining databases for seamless accessibility to ensure the efficient handling of information and promoting a well-organized data management system for enhanced workflow and collaboration within the teams.
- Geophysical support to well operations: planning, risk assessment, geosteering and horizontal drilling over 250 wells.
- Generate structure contour maps on horizontal drilling targets and significant geology surfaces.
- Work with operations geologists to provide detailed structure and potential geohazards for steering horizontal wells.
- Develop models for Seismic attribute analysis and inversion.
- Work with Land and Legal departments to approve seismic contracts and permit requests.
- Participate in multi-disciplinary asset teams to generate field development plans.
- Be able to seamlessly work within a diverse group of geoscientists and engineers to provide timely and business-critical contributions.

TECHNICAL SKILLS

- Halliburton/Landmark: OpenWorks/DecisionSpace (DSG). Schlumberger: Petrel/Studio
- GVERSE/Geographix. Mapping solutions: Petrosys, ArcGIS
- Knowledge of Cartography and Geodesy.
- Talus Technologies – Exploration Archives (EA)
- Quorum EiQ – Trusted Data Manager (TDM)
- S&P Global – Enterprise Data Management (EDM)
- WellDrive – Web based well data management
- Spotfire and SQL

PROFESSIONAL EXPERIENCE

Marathon Oil Company - Houston, TX   **2022 – Present**
Advanced Senior IT Data Analyst and Support for G&G software applications.
Liaison between IT Data Analyst/Management and Asset teams ensuring data quality control, supporting geoscience applications and workflows including training and mentoring.

- Provide expert support for Geology, Geophysics, and Reservoir Engineering applications (Petrel, Geographix, and DecisionSpace Geosciences (DSG) and others) offering workflow solutions and best practices.
- Subject matter expert for geological and geophysical datatypes and workflows including training and mentoring.
- Supervised and monitored data locating, collecting, processing, and uploading well and 2D/3D seismic data into applications, maintaining databases for seamless accessibility to ensure the efficient handling of information and promoting a well-organized data management system for enhanced workflow and collaboration within the team.
- Catalogued and QA/QC all new and legacy 2D/3D seismic and microseismic data
- Loading and transferring data between Landmark OpenWorks/DSG, Petrel/Studio, ArcGIS and other applications

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PROFESSIONAL EXPERIENCE (*Continued*)

Ally Consulting LLC | Geoscience Advisor - Houston, TX   **2020 – 2022**
Senior Consultant and Customer Support for G&G software applications.
- Provide consulting in geoscience to companies in North America and Latin America.
- Work with different teams and provide application support for Geology & Geophysics (G&G).
- Provide strategic planning plan and execute the appraisal work programs of discoveries and prepare final appraisal reports.
- Responsible for technical oversight of work maturing exploration inventory for Oil companies, regional technical work, local and regional scale petroleum systems modeling.

Halliburton | Landmark - Houston, TX   **2017 – 2020**
Technical Advisor for Software QA – Geoscience workflow specialist
- Ensured optimal quality of DecisionSpace Geosciences (DSG) software releases, used by top Oil & Gas companies worldwide.
- Collaborated and engaged with customers (users) from Anadarko, Woodside Energy (formerly BHP Billiton), Occidental and BPX (formerly BP Lower 48) and sales leaders and engineering teams to design adoption for business applications, as well as deployment of Beta program.
- Collaborated with cross-functional teams to provide immediate feedback from end-users regarding functionalities and worked with R&D teams to add enhancements to future releases.
- Review operation best practices and conduct skills transfer workshops with customers, including mentoring, tutoring, and training of technologies.
- Performed geoscience workflows from beginning to end to test the software integrity.

ConocoPhillips Company - Houston, TX   **2012 – 2016**
Senior Geophysicist – Eagle Ford Development
- Accountable for providing geophysical support to horizontal drilling operations and structural seismic interpretation in Eagle Ford Play.
- Geophysical support to well operations: planning, risk assessment, geosteering and horizontal drilling over 250 wells.
- Velocity model generation, reducing geological picks uncertainties to less than 10 ft.
- Solid structural seismic interpretation of 1000 mi^2 of 3D seismic data to understand the geological framework of the Eagle Ford play.
- Reduced drilling cycle time from 30 days to 15 days average, therefore reducing operational cost by 30% per well.
- Supported, mentored, and trained more than 15 geoscientists to understand geophysical data, as well as the use of Landmark's DSG software to integrate geological and geophysical information.

Petróleos de Venezuela S.A. E&P - Puerto La Cruz, Venezuela   **2003 – 2009**
Seismic Interpreter - Exploration Management
- Responsible for the structural seismic interpretation and definition of exploratory oil and gas prospects.
- Structural model generation from 2D/3D regional seismic data interpretation associated with fold thrust belt systems in Eastern Venezuela basin and Offshore Venezuela.

EDUCATION

Masters in Geophysics. University of Houston. Houston - TX, USA.

Graduate Diploma of Petroleum Studies in Petroleum Geosciences. Institut Français du Pétrole (IFP). Paris, France.

Geophysical Engineer (Bachelor's degree). Universidad Central de Venezuela (UCV). Caracas, Venezuela.