LUIS OSWALDO RODRIGUEZ PEREZ

Education: Bachelor of Science in Geological Engineering, 1972, University of Missouri at Rolla, Missouri, U. S. A.
Master of Science in Geological Engineering (Petroleum Option), 1974, University of Missouri at Rolla, Missouri, U. S. A.
Reválida del Título de Ingeniero Geólogo, Universidad Central de Venezuela, Caracas, Venezuela.
Ph. D. in Geology (Stratigraphy and Depositional Systems), 1995, University of Texas at Austin, Texas, U. S. A.

Work Experience:

September 2013 to Present

- Geological Engineering Consultant and President of **Petrotech Engineering Ltd.** in Burnaby, B. C.
- Completed geological study of two discoveries in Offshore Brazil.

2009 to Present Independent geological consultant for a number of oil and gas companies.

1. **Varosa, IGS International** in Bogotá
2. **PDVSA** in Caracas
3. **BancTrust / PEAP (for PetroCedeño-PDVSA)** in Caracas

2008 to 2009 Petrolea Sinovensa **(Pdvsa-Petrochina CNPC)-PetroEstratigrafía, Asesorías y Proyectos (PEAP)** as President in Puerto La Cruz, Caracas

- Updated a 3-D Static Model for Petrolera Sinovensa, 24 Horizontal well designs following the best oil saturation distribution within the target sands using the updated static model.

2006 to 2008 Manager and Senior Geologist of PDVSA-CVP in Caracas

- Quantification and certification of oil reserves contained within the Venezuela Carabobo Area (2,350 Km^2) of the Orinoco Oil Belt. Joint venture project between PDVSA and Petrobras (Brazilian National Oil Company) with a total of 15 national and international geo-professionals. Over 200 vertical and horizontal wells, production data, >2,500 kms of 2D lines and four 3D high resolution surveys, 14 stratigraphic wells and over 1,500 feet of new core data was used to conduct this project.

2002 to 2005 Senior Geologist of PDVSA-BITOR/SINOVEN, S.A in Caracas

- Joint venture between China and Venezuela (MPE-3 Project Bitor-Pdvsa/CNPC-Petrochina). Several disciplines and data (wells, cores and a new recorded 140 km^2 high resolution 3D) of the productive Tertiary section in the Oficina Formation was evaluated to ensure the Orimulsion© production for 30 years to be exported to the People's Republic of China.
- Worked on site, logging and coring and in the interpretation of five new appraisal wells drilled in the assigned area to define the associated sedimentological model and sand distribution to establish the location and direction of 265 horizontal production wells to be drilled.
- Prognosis, well design, horizontal path trajectories, well drilling monitoring, horizontal correlation, and lateral facies changes interpretation (using horizontal Gamma Ray responses) of 35 production horizontal wells drilled so far in the area (35 out of 265) using **PETREL** (Schlumberger) as a 3-D visualization, well correlation and seismic interpretation software to feed and update the static

geological model: faults, horizons and petrophysical distribution properties, of the MPE-3 area within the Cerro Negro oil field.

2000 PDVSA CARACAS
to 2001 **Senior Geologist**

- Stratigraphical evaluation (seismic and well data) of the hydrocarbon potential of the Tertiary section in the Carúpano Basin (Paria, Caracolito and Eastern Margarita subbasins) northeastern offshore Venezuela area.
- Stratigraphical interpretation and sedimentological evaluation of prevailing depositional systems, and sand distribution of the Oligocene section in the Macal area (Monagas State) of the Northern Part of the Eastern Venezuela basin.
- Stratigraphical interpretation and sedimentological evaluation of prevailing depositional systems, and sand distribution within the productive section of the foreland Barinas basin using more than 65 wells and seismic (2D and 3D).

1995 CORPOVEN/PDVSA PUERTO LA CRUZ/CARACAS
to 1999 **Senior Geologist**

- Leading a major project (more than 300 wells and several 2-D and 3-D surveys) in the northern part of the Anzoátegui State, to perform a reinterpretation of the Miocene section to redefine main depositional systems potentially present in this prolific area, rich in medium/light oil. To accomplish this task, a digital platform (Geoquest Reservoir Modeling and CPS-3 of Schlumberger) and several micro computers (both PC´s and Macintosh) were used.
- Stratigraphical evaluation of the Cretaceous-Tertiary section in the Barinas basin (Bejucal-Mijagual area) to detect potential exploration opportunities.

1978 MENEVEN/CORPOVEN CARACAS - PUERTO LA CRUZ
to 1990 **Production Geologist**

- Worked with the Department of Reserves (1978-1982) calculating, evaluating and preparing all reserves changes (maps and paperwork) prepared by the company to be submitted to the ministry of Mines and Hydrocarbons for official approval.
- Represented the company to the Ministry of Hydrocarbons.
- Company´s representative as member of a multidisciplinary group to re-evaluate the national reserves of both free and solution gas (NURGAS) within the three main Venezuela basins (Maracaibo, Eastern and, Barinas-Apure).
- Moved to the Puerto LA Cruz area (1984) and assigned to the exploitation department, working mainly in production geology in the Eastern Venezuela Basin.
- Assigned for two years and eight months to the Chevron Overseas Office in Bakersfield, CA USA (1984-1987), to participate in the geological evolution of the Orinoco Oil Belt in the Arecuna, Bare and Cariña oil fields of the Hamaca area.

1975 MIN. MINES AND HYDROC., VENEZUELA CARACAS - LAGUNILLAS
to 1978 **Reserves Geologist**

- Worked with the Reserves Department supervising and analyzing volume estimation of recoverable oil and gas (reserves) done by the multinational companies operation in Venezuela. Intensive training program accomplished during those years with the Ministry.
- Trained in reserves calculation of oil, gas and, condensate. Technical reports, relations with the operating companies.
- Participation in the redefinition of reserves concepts to be used by the oil industry in Venezuela.