

LUIS CARLOS CARVAJAL, Ph.D.

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Professional Overview

- Petroleum Geologist with an integral education in Petroleum geology and geophysics, seeking a full time position as exploration geologist / geophysicist in an E&P company.
- Interested in geological and geophysical interpretation, new ventures, prospect generation/maturation, ranking prospects, seismic attribute application and petrophysics.

Technical Skills

Seismic Interpreter, Petroleum Geology, well log interpretation, Seismic Attributes, Basin Modeler, Potential Fields, and other topics associated with applied geophysics.

- Participation in the discovery of four new oil fields in Llanos Basin of Colombia.
- Junior Member of a multi-disciplinary projects team for Colombia.
- Effective teammate with excellent level of interpersonal skills and presentation capabilities.

Software Skills

Petrel, IHS Kingdom, Geographix, Discovery Landmark-Geoprobe, Move, Oasis Montaj, PetroMod, ArcGis, Illustrator.

Experience

09/2012 – 05/2017
(4 years 3 Months)

University of Houston, CBTH consortium

Houston, Texas

Research assistant of the CBTH project, phase III and IV

- Thesis: Hydrocarbon prospectivity of the Nicaraguan Rise and Colombia Basin
- Integral interpretation of the Nicaraguan Rise and Colombian Basin, crustal configuration, tectonostratigraphy, petroleum system analysis, play assessment.

07/2016 – 09/2016
(2 Months)

Statoil ASA

Stavanger, Norway

Summer Internship – Latin America Exploration Team

- Seismic characterization and paleogeography of Sandino Basin.

05/2013 – 08/2013
(3 Months)

Chevron

Houston, Texas

Latin America Business Unit – LABU

Summer Internship

- Seismic Interpretation, well-seismic tie & 2D Grav/Mag modeling of Jamaica Area.

05/2012 – 08/2012
(3 Months)

Spectrum Geo Inc.

Houston, Texas

Summer Internship

06/2007 - 01/2011
(3 Years 7 Months)

Prospex Energy

Bogotá, Colombia

Geologist - Independent Consultant

Provided technical and economical consultancy to companies such as Sismopetrol S.A, BD Production, AIP S.A, and PGS AS - Petroleum Geo-Services (Houston).

Major project includes:

- 3D Seismic Interpretation and Economic Evaluation of the lease "El Triunfo" in the Llanos Basin-Colombia.
- 2D & 3D interpretation and evaluation of the lease LLA-24 in the Llanos Basin-Colombia.
- Co-author of the interpretation of 12,000 km of 2D seismic in Los Cayos and Pacific Colombian Offshore.

Education

05/2012 – 05/2017

UNIVERSITY OF HOUSTON

Houston, Texas

Ph.D. in Petroleum Geology **GPA: 3.818 / 4.0**

- Thesis: Hydrocarbon prospectivity of the Nicaraguan Rise and Colombian Basin (Five chapters)

Advisor: Dr. Paul Mann.

03/2003 - 03/2008

NATIONAL UNIVERSITY OF COLOMBIA

Bogotá, Colombia

Bachelor of Science Geology **GPA: 3.9 / 5.0**

- Thesis: Facial, Electrical and Seismic Characterization of the Carbonera Formation in the Eastern Llanos Basin – Colombia.
Advisor: Edgar Rodriguez (Texaco)

Publications

05 / 2017

- Western Caribbean intraplate deformation: defining a continuous and active microplate boundary along the San Andres Rift and Hess Escarpment fault zone, Colombian Caribbean Sea, Carvajal-Arenas, L.C. and P. Mann, AAPG Bulletin, under review.

08 / 2015

- Early and Late Eocene/Oligo-Miocene (!) petroleum system on the Nicaraguan Rise: Insights from basin and three-dimensional petroleum system modeling, Carvajal-Arenas, L.C., V.L. Torrado, and P. Mann, in C. Bartolini, and P. Mann, eds., AAPG Memoir 108, Petroleum Geology and Potential of the Colombian Caribbean Margin.

02 / 2015

- Petroleum System Analysis of the Nicaraguan Rise and Colombia Basin: A Regional Overview from Seismic and Well Data, Carvajal-Arenas L.C., and P. Mann, 2015, AAPG Search and Discovery, Presentation given at the AAPG, Carbonate Plays around the World, Article # 10736.

05 / 2013

- Petroleum Prospectivity of the Southwestern Nicaraguan Rise (Colombian Caribbean) based on Regional Integration of Seismic and Well Data, Carvajal-Arenas, L.C., P. Mann, M. Saunders, 2013, AAPG Search and Discovery, Article # 90163.

Courses and Certifications

Feb / 2015

Carbonate Plays around the World - Analogues to Support Exploration and Development New Orleans, LA
AAPG - GTW

Jan / 2015

Six Annual Deepwater and Shelf Reservoir Houston, Texas
AAPG - GTW

Dec / 2014

Expanding Unconventional Resources in Colombia with New Science – From Heavy Oil to Shale Gas/Shale Oil Opportunities Bogotá, Colombia
AAPG - GTW

Aug / 2014

Introduction to Balanced Cross Sections and kinematic Restorations in Contractional settings Houston, Texas
Ecopetrol – AAPG

May / 2013

Seismic Geomorphology and Seismic Stratigraphy: Extracting Geologic Insights from 3D seismic data Houston, Texas
SEMP - Henry Posamentier

Dec / 2011

Language and Culture Center - University of Houston Houston, Texas
Intensive English Program - Certificate of Completion

July / 2009

Fugro Jason - In House Training Bogotá, Colombia
Seismic Inversion Fundamentals Course - Certificate of Completion

(1.5 weeks)

May / 2008

PetroSkills Houston, Texas
Seismic Interpretation- Certificate of Completion

(2 weeks)

Awards

06/2016

➤ 3rd Place Student Poster Session – AAPG ACE Calgary, Canada

09/2015

➤ 3rd Place at the annual GCAGS Poster Presentation Houston, Texas

04/2014

➤ 2nd Place PhD Poster Presentation – Student Research day at University of Houston Houston, Texas

05/2013

➤ 2nd Place Student Poster Session – AAPG ACE Pittsburgh, PA

Poster Sessions & Oral Presentations

- 18+ Technical presentations including ACGGP (Bogota, COL), GTW AAPG (New Orleans), AAPG ICE (Cartagena, COL), Chevron Tech Talk (Houston, TX), AAPG ACE (Calgary, CAN; Pittsburg, PA), and to CBTH sponsors (EXXON, Chevron, Statoil, Total, Shell)