



## CURTIS ARCHIE

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I have more than 27 years oil and gas industry experience, primarily with the Trinidad and Tobago state companies (Trintopec and Petrotrin). I am experienced in prospect analysis, operations geology, petrophysics, seismic interpretation and field mapping. I developed and maintained the Development drilling portfolio for Petrotrin's onshore acreage. As Manager of Exploration & Geophysics, I built the Exploration well portfolio for Petrotrin's acreage, designing and implementing geophysical programs in support of investment decisions.

Prospect Analysis | Operations Geology | Petrophysics | Seismic Interpretation | Field Mapping  
Regional Geology | Field Development | Development Planning  
Team Leadership | Portfolio Management

### PROFESSIONAL EXPERIENCE

#### **Bifrost Energy, Houston TX** **Director Caribbean Operations**

**March 2020 – Present**

[www.bifrostenergy.com](http://www.bifrostenergy.com)

Responsible for identifying and developing hydrocarbon and renewable energy opportunities within the Caribbean Region.

#### **PETROTRIN**

**November 2016–November 2018**

#### **Senior Manager, Exploration & Development**

Led the group (+/- 100 geologists, geophysicists, and engineers) that was responsible for maintaining oil production within the Petrotrin operated acreage by the drilling of development wells and recompletions, improvement of oil recovery from existing reservoirs by steam and water injection, design of well trajectories, well type, completions and gravel packing, replacement, and growth of reserves through drilling of Appraisal and Exploration wells. Management, storage and making digitally accessible all well and geological reports, 2D and 3D seismic volumes.

#### **PETROTRIN**

**January 2016-October 2016**

#### **Manager Prospect Generation Land**

Individual contributor within a team charged with generating new opportunities in the Western Highlands. Constructed a regional structural model identifying prospective trends hidden beneath surface geology. Integrated structural geologic theory, surface geology, LiDAR, and satellite derived elevation datasets, well, seismic, and potential fields datasets into plausible interpretations that lend support to, and guide business decisions associated with seismic acquisition, prospect maturation, prospect monitoring, and post-well analyses, including recycling post-well conclusions into next-generation interpretations. Role included mentoring shorter-service geoscientists in “what and why” things are done, and not focusing on “how” things are done.

#### **PETROTRIN**

**October 2012-January 2016**

#### **Manager Exploration & Geophysics**

Key responsibilities in this position included building an exploration well portfolio for all of Petrotrin's Trinmar and North Marine Licenses. Designed and implemented geophysical programs (acquisition, processing, and interpretation projects). The main achievement was the 2014 540 km<sup>2</sup> OBC 3D seismic survey for Trinmar License, and processing merge of all legacy 3D seismic data sets to PSTM. Initiated a campaign to acquire borehole velocity surveys (Checkshots and VSPs) for both onshore and offshore wells to aid with velocity control, depth conversion and seismic processing (Q



Compensation). Member of the technical team for the renewal of the Marine and Land E&P licenses, ensuring compliance with exploration drilling and seismic license commitments. First Exploration well was drilled within 5 months of the license being signed.

**PETROTRIN**

**April 2008-September 2012**

**Divisional Geologist, Prospect Generation, LNE**

Led the team developing Petrotrin's development drilling portfolio for its land acreage, preparing budgets, evaluating tenders, implementing the forward drilling program. Liaised with the Ministry of Energy and Energy Affairs for approvals of wells. Presented the drilling prospect portfolios with Reservoir Engineering to Petrotrin's external reserves auditors.

**PETROTRIN**

**October 2003-March 2008**

**Divisional Geologist, Exploration and Geophysics**

Exploration for the West and North coasts of Trinidad, includes liaising with Joint Venture partners and validating their interpretations. Attended Joint Venture Partner Technical Committee meetings on behalf of Petrotrin, also interpreted JV 3D seismic to validate proposals and other technical decisions.

**PETROTRIN**

**March 1999-October 2003**

**Geologist**

Reviewed of legacy Exploration prospects in marine acreages, Gulf of Paria East Study, Caracas, Venezuela, Interpreted Regional surfaces in the INGOPE 3D seismic volume, generated structure, sand and oilsand maps for the Punta Sur-1X and POSA Principal fields, integrated Trinmar fields into study. Seconded to EXXON Exploration Company, Houston. Interpreted regional surfaces in the 3D seismic for Deepwater Blocks 25B and 26, developed stratigraphic models for depositional environments.

**PETROTRIN**

**January 1991-February 1999**

**Geologist**

Worked as a development geologist identifying drilling prospects within onshore fields, with 47 proposals drilled and completed. Was seconded to Exxon Trinidad Ltd. as Operations and wellsite Geologist for the drilling of exploration wells Rocky Palace 1, Iguana River 1 and Ste. Croix 1.

**EDUCATION AND TRAINING**

UNIVERSITY OF THE WEST INDIES – MONA, JAMAICA: **Bachelor of Science (Geology) – June 1982**

**NOTABLE ACTIVITIES, PUBLICATIONS AND ACHIEVEMENTS**

Awards from the Geological Society of Trinidad and Tobago for best technical presentation in 2005, best field trip in 2002, 2004 and 2011, a Top 10 award of excellence for oral presentation at AAPG ICE Colombia 2013

**PROFESSIONAL SOCIETIES**

Memberships- American Association of Petroleum Geologists, Geological Society of Trinidad and Tobago, Society of Petroleum Engineers and Society of Exploration Geophysicists.

Geological Society of Trinidad- President (two terms), board member from 1992-2012 and Delegate for the Latin American & Caribbean region of the AAPG 2013-2015. Served on various GSTT Conference committees, led field trips most GSTT conferences, 14th Caribbean geological conference, AAPG Hedberg GTW (2006), Co-convener AAPG Hedberg Conference on Mobile Shales, Trinidad, 2006, Co-Convener 4th Geological Conference of the GSTT, 2007, worked with the AAPG to organize the GTW on Deepwater in Trinidad, 2014.

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