

Responsibilities:

- Develop, plan in support of the drill program include subsurface attribute mapping, oil and gas portfolio high grading, well placement/target zone recommendations and competitor well performance assessment.
- Detail a well log correlation/ interpretation and develop pertinent reservoir property maps.
- Generate Petrophysical logs and uncertainty analysis, field development planning.
- Assess drilling performance and completion performance by integrating geological, geophysical and geomechanical characterization to understand performance
- Generate seismic inversion cubes, analyze and visualize seismic attributes and extract surface attributes maps and propose possible areas showing hydrocarbon content.
- Close collaboration with multiple other discipline and clear communication of the key findings and recommendations.

#### **Schlumberger Exploration Centre collaboration with PetroSA**

Geoscientist

08/2013 – 04/2015

Responsibilities:

- Achieve high performance goals and meet deadlines in a fast pace environment.
- Develop and plan in support of the drill program include subsurface attribute mapping, oil and gas portfolio high grading, well placement/target zone recommendations and competitor well performance assessment.
- Provide support for problem solving involving deeper knowledge related to data loading of seismic, well logs splicing and editing.
- Create rock typing, saturation height modeling, kerogen modeling and interpretation, RCAL/SCAL for cores.
- Generate Petrophysical uncertainty analysis, field development planning.
- Detail and correlate geophysical and geological data and generate all elements related to a petroleum system framework.
- Calculate in-place volumes and helped to mature and organized leads and prospects exploration portfolio.
- Close collaboration with multiple other discipline and clear communication of the key findings and recommendations.

## **INTERESTS**

- Soccer and Baseball
- F1 and Rugby
- Mountain Biking
- Cook and Braai
- Camping and Fishing

## **SKILLS**

### **Seismic Interpretation**

Skilled

### **Petrophysics**

Skilled

### **Seismic Inversion**

Skilled

### **Seismic and Well correlation**

Skilled

### **Rock physics**

Skilled

### **Sequence stratigraphy**

Skilled

### **Depth Conversion**

Skilled

### **STOIIP & GIIP**

Skilled

### **Presentation and Technical Writing**

Skilled

### **Resource evaluation and Audit**

Skilled

### **Geoscience skills transfer to juniors**

skilled

## **AWARDS**

### **AAPG 2018**

Ziad Beydoun Memorial Award

## **Western Geco and PetroSA**

Acquisition Geophysicist

01/2012 – 07/2013 | Cape Town, South Africa

Responsibilities:

- Collaborate with the acquisition and processing of the 3D marine seismic data projects acquired in Bredasdorp and Orange basin.
- Applied geometry, De-multiplexing and trace editing.
- Perform picking of the first arrival.
- Produce amplitude recovering by spectral divergence .
- Conduct process of deconvolution and spherical balancing.
- Analyze seismic velocities and generate fast track and stack volumes.
- Monitor and enforce in all deliverables are established in the seismic standards of South Africa.

## **PetroSA**

Geoscientist

08/2010 – 06/2012 | Cape Town, South Africa

Responsibilities:

- Provide support for problem solving involving data loading of seismic, well logs splicing and editing.
- Create rock typing, saturation height modeling, kerogen modeling and interpretation, RCAL/SCAL for cores.
- Generate Petrophysical uncertainty analysis, field development planning.
- Generate seismic well tie, 2D and 3D seismic visualization, horizon and fault interpretation, surface and seismic attribute maps.
- Deliver training sessions to graduates on geophysics and petrophysics

## **PetroSA**

Graduate in Training Geoscientist

01/2007 – 07/2010 | Cape Town, South Africa

Responsibilities:

- Create working projects and work on well logs and splicing and editing.
- Generate seismic well tie, sub-surface mapping of regional horizons and well log interpretation.
- Generate petrophysical logs (VCL, PHIT&PHIE, SWT & SWE & K).
- Generate 2D and 3D velocity models for depth conversion.
- Convert TWT structural and stratigraphic surfaces to depth and calculate GIIP & STOIP for the identified leads and technical reports.

## **CERTIFICATES**

### **Seismic Interpretation**

level 2

### **Petrophysics**

level 2

### **Geox Volumetrics**

Level 2

## **PUBLICATIONS**

**Reservoir Prediction in Ibhubesi Gas Field, Block 2A, Orange Basin, West Coast of South Africa, #11232 (2019)**  
AAPG

## **REFERENCES**

**Available upon request**