PROFILE

Geophysicist with over 15 years of experience and expertise, responsible for leading and managing geophysics and petrophysics projects, seismic acquisition and interpretation for oil and gas companies.

PROFESSIONAL EXPERIENCE

Senior Geoscientist-Consultant

07/2021 - present

North Africa Drift and Rift basins - July 2021 -Present

Responsibilities:

- Analyze complex issues, make database decision use analytics where possible, identify alternatives and select an appropriate course of action to achieve desired outcome.
- Achieve high performance goals and meet deadlines in a fast pace environment.
- Develop and plan in support of 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.
- Create rock typing, saturation height modeling, kerogen modeling and interpretation, RCAL/SCAL for cores analysis and Overburden correction.
- Generate Petrophysical logs and uncertainty analysis, field development planning.
- Asses drilling performance and completion performance by integrating geological, geophysical and geo-mechanical characterization to understand performance drivers and ensure repeatability of successful results.
- Work individual and close collaboration with multiple discipline and give clear communication of the key findings and recommendations, skills transfer to juniors.
- Strong business acumen and data-based decision maker and forward thinker who actively seeks opportunities and solutions.

PetroSA

Senior Geophysicist 05/2015 – 06/2021 | Cape Town, South Africa Responsibilities:

GIVEN SKOSANA

Senior Geophysicist



- **** +27 72 392 7264
- 2 Simpson road, Florida Glen, Roodepoort, Johannesburg.
- **#** 16/10/1981
- South African
- Available upon request
- Available
- A Male

A LANGUAGES

English

EDUCATION

MSc in Petroleum Geophysics

University of Houston 02/2007 – 06/2008 Houston, Texas, United States

BSc in Physics & Chemistry

University of Pretoria 02/2001 – 11/2004 Pretoria, South Africa

- 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.
- Asses 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.

S INTERESTS

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



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 Writting

Skilled

Resource evaluation and Audit

Skilled

Geoscience skills transfer to juniors

skilled



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 & STOIIP 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