

SAMUEL AVOKENYE ESIEBOMA

Data Analyst/Petroleum Engineer

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SKILLS

Technical

- Data Analysis
- Reservoir Simulation/Modelling
- Reservoir Engineering
- Petroleum Engineering
- Oil and Gas Development Planning

Soft

- Effective Communication
- Good writing
- Team working
- Leadership
- Honesty

TOOLS

Data Analysis

- Advance MS Excel
- SQL
- Power BI

Petroleum/Reservoir Engineering

- Eclipse and Eclipse suites
 - Petrel Reservoir Engineering (RE)
 - OFM
 - PETEX suites (Mbal, Prosper)
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PROFESSIONAL SUMMARY

Dedicated, analytical-minded and goal-oriented Data Analyst with a solid foundation in reservoir engineering, bringing over a year of experience in data analysis and interpretation. Proficient in extracting, cleansing, and transforming complex datasets to derive actionable insights that drive strategic business decisions. Skilled in utilizing statistical techniques and data visualization tools to communicate findings effectively to stakeholders. Possessing a strong understanding of reservoir dynamics and engineering principles, with a proven ability to leverage this knowledge to enhance data-driven strategies. Committed to continuous learning and staying abreast of emerging trends in both data analysis and petroleum/reservoir engineering domains.

**WORK
EXPERIENCE**

Smart Approaches, Sunderland, UK
Data Analyst - 03/2023 – Current

Responsibilities

- Making use of tools like SQL to retrieve needed data from databases.
- Ensuring data-related queries are attended to promptly and tracking the queries.
- Analysing organization data to identify trends and patterns.
- Setting up processes and systems to make working with data more efficient.
- Producing reports and charts communicating trends within data to non-specialists.
- Presenting information obtained from data to management and third parties.
- Working closely with team members to clarify grey areas in the data.

Main Achievements

- Analysed Linda Pizza Outlet and identified the sales trend pattern and made recommendations for the launching of a new outlets.
- Ran series of queries to extract data from the database of a company that is into sales of different products across the various continents.
- Designed multiple dashboards to streamline communication of insights and ensured stakeholders carried along.

Oriental Energy Resources Limited, Lagos, Nigeria

Lead Reservoir Engineer/Data Analyst – 08/2018 – 02/2023

Responsibilities

- Well and Reservoir performance data review.
- PVT data analysis/modelling of reservoir fluids using correlation and Equation of States (EOS)
- Undertaking material balance study of different reservoirs
- Undertaking/Participating in reservoir simulation studies/ field development studies.
- Work with international reserves auditors to analyse and certify company's reserves and resources.
- Provide leadership for the Reservoir Engineering Team.

Main Achievements

- Delivered the DPR Pilot Nigeria National Reserves Standard (NNRS) report resulting in saving of about \$100,000 which would have been paid to a consultant.
- Used reserves data to defend company against the payment of erroneously estimated fees by a regulator and saved the payment of millions of dollars.
- Initiated and carried out Enhanced Oil Recovery Study for the Ebok Field.

Independent Consultancy, Lagos, Nigeria

Data Analyst/Consultant: 07/2017 – 07/2018

Responsibilities

- Economic data analysis, modelling, and evaluation
- Dynamic reservoir model construction using reservoir data.

- Evaluation of field development scenarios using historical and analogue data
- Management and supervision of technical team and the business development team.
- Ensuring the quality of work delivered to clients is up to standard.
- Presentation of work done to clients

Main Achievements

- Delivered Economic model and economic evaluation of Efe Field FDP for Newcross Petroleum
- Technical assistance and supervision of WASP operation for Seplat which restored a well back to production and boosted oil production by about 500 bopd.
- Delivered Reservoir simulation models for 6 reservoirs in Abura Field for NPDC.

Neconde Energy Limited, Lagos, Nigeria

Senior Reservoir Engineer/Data Analyst: 08/2012 – 06/2017

Responsibilities

- Coordinate the estimation and booking of reserves and resources for oil and gas in line with Regulatory guidelines.
- Production forecasting for corporate planning.
- PVT data analysis and modelling of reservoir fluids using correlation and Equation of States (EOS).
- Identifying workover/drilling opportunities/location for developing and producing reserves.
- Meet regularly with company's reserves certification consultants for technical meetings.
- Guiding and supervising junior engineers.

Main Achievements

- Built and history matched dynamic reservoir models for the main reservoirs in three fields namely, Batan, Jones Creek and Odidi. Used the history matched models for well/reservoir management, field development and reserves certification by RPS in the United Kingdom.
- Delivered the Batan FDP and successfully secured the approval of the FDP from regulatory body.
- Initiated and produced on yearly basis Annual Report of Reserves (ARPR) and submitted same to the regulatory body consistently on schedule.

Pan Ocean Oil Corporation, Lagos, Nigeria

Lead Reservoir Engineer /Data Analyst: 04/2009 - 08/2012

Responsibilities

- Reserves estimation using volumetric and probabilistic methods by analysis of geophysical, geologic and reservoir engineering data.
- Analysis of well test and production data with the objectives of gaining various insight by using the following techniques: Decline Curve Analysis

- (DCA), Pressure Transient Analysis (PTA), Pressure, Volume, Temperature (PVT) analysis, Material Balance Analysis (Mbal).
- Coordination of acquisition of Bottom Hole Pressure data and Analysis.
 - Working with multidisciplinary team to evaluate the potential of prospective assets for possible acquisition.

Main Achievements

- Setup the Reservoir Engineering unit for the company.
- Delivered Reserves certification with Gaffney Clines and Associates
- Delivered two approved Field Development Plans (FDP) for the company.
- Subject matter expert for running project economic evaluation for workover of old wells and drilling of new wells.
- Lead a team of engineers, petrophysicists and geologists to evaluate well/reservoir to identify three (3) bypassed opportunity which eventually increase production by over 2,000 bopd.

Summary of other work Experiences:

- ✓ **GEC Petroleum Development Company (GPDC), Lagos, Nigeria**
Reservoir Engineer: 12/2007 - 03/2009
- ✓ **Rego Petroleum Services Limited, Lagos, Nigeria**
Petroleum/Reservoir Engineer: 04/2004 - 12/2007
- ✓ **Mazino Associates Limited, Warri, Nigeria**
Marketing Engineer (Reservoir/Production Engineering): 01/2000 - 03/2004
- ✓ **Shell Petroleum Development Company (S.P.D.C.), Warri, Nigeria**
Trainee Engineer - specializing in oil and gas engineering: 01/1999 - 12/1999.
- ✓ **Esbow Foods, Lagos, Nigeria**
Sales Executive: 01/1995 - 12/1998.

EDUCATION

Shell Petroleum & Robert Gordon University Aberdeen

Certificate in Oil and Gas Engineering

University of Ibadan, Ibadan, Nigeria.

B.Sc. Eng (Hons) Petroleum Engineering

WAEC (SSCE), Senior Secondary School Certificate.

Federal Government College, Idoani, Ondo State, Nigeria

REFERENCE

Available on request.