

CURRICULUM VITAE

MINING AND PETROLEUM ENGINEER



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PERSONAL DETAILS

Date of Birth	:	13 th July 1974
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Marital Status	:	Married
Origin	:	Lagos State, Nigeria
Local Government Area	:	Badagry

Cover Letter

MINING AND PETROLEUM ENGINEERING

Mining and Petroleum Engineering are relatively old sciences of Engineering. They are earth sciences-based engineering. Mining and Petroleum in the engineering discipline is the extraction of minerals from underneath, above or on the ground. Mining and Petroleum engineering are associated with many other disciplines, such as mineral processing, exploration, excavation, geology, and metallurgy, geotechnical engineering and surveying. A Mining and Petroleum engineer may manage any phase of Mining or Petroleum operations, from exploration and discovery of the mineral resources, through feasibility study, mine design, development of plans, production and operations to mine closure.

Engr. C. O. Amosu is specialized in Mining and Petroleum Engineering as they are called by some institution around the world.

Work Experience

➤ YABA COLLEGE OF TECHNOLOGY

Position: **Lecturer** – Mineral & Petroleum Engineering

Feb. 2020 – Date

- Lecturing
- Research and Development (R and D) / Publications of Papers
- Editorial Committee Member of The School Engineering Conference
- Member of the News Publication Team
- Prepare Academic curriculum of studies
- Prepare Lesson Notes, Examination Questions/Answers and Grading
- Conduct Resource Inspection Preparation and Accreditation Exercise

➤ **CANON JAMES PEARSE ANGLICAN COLLEGE, LAGOS**

Position: **Teacher** – Physics and Technical Drawing (2 years)

October 2018 – Feb.2020

- Teaching
- Prepare School curriculum of studies
- Prepare Lesson Notes, Other Statutory records, Examination Questions/Answers and Grading

➤ **VINESTAR COLLEGE, LAGOS**

Position: **Teacher** – Geography, Chemistry, Physics and Mathematics (6 years)

May 2013 –October 2018

- Teaching
- Prepare School curriculum of studies
- Head of Department for Science
- Hostel Master
- Sports House Master
- Prepare Lesson Notes, Other Statutory records, Examination Questions/Answers and Grading

➤ **KOMFOTA COLLEGE, LAGOS**

Position: **Teacher** – Physics and Basic Technology Teacher (1 years)

Jan. 2013– May 2013

- Teaching
- Prepare School curriculum of studies
- Head of Department for Science
- Junior College Year Tutor and Supervisor
- Prepare Lesson Notes, Other Statutory records, Examination Questions/Answers and Grading

➤ **LONGFORD INTERNATIONAL SCHOOL, LAGOS**

Position: **Teacher** – Geography and Mathematics (4 years)

Sept 2010 – Dec. 2012

- Teaching
- Prepare Lesson Notes, Other Statutory records, Examination Questions/Answers and Grading

➤ **ALLIED ENERGY PLC (CAMAC)**

Position: **Reservoir Engineer/Petroleum Engineer**

Jan. 2010-Aug. 2010

- Predict future reservoir performance of field
- Estimate oil and gas in-place reserves and improving recoverable volumes
- Participate in the field and reservoir review and submission of monthly report
- Prepare monthly report on field and reservoir
- Reservoir monitoring and updating of existing model through daily

production data from field

- Convert data from one discipline to another
- Develop criterion for objective history matching
- Data management via Excel spreadsheets
- Reservoir simulation with ECLIPSE, MBAL and PROSPER software
- Reservoir and production update

➤ **NUBIAN NIGERIA LIMITED**

Position: **Petroleum/Reservoir Engineer**

Oct. 2007-Dec. 2009

- Assist the sample taker in mixing mud chemicals
- Plan and carry out reservoir development studies
- Conduct fluid characterization studies for gas, gas condensates and black oil reservoir
- Conduct reservoir simulation studies with/ without production history
- Carry out single well, multiwell and cross-section models (using professional experts as ECLIPSE, PROSPER, MBAL)
- Monitor and analyze reservoir performance
- Follow-up production, drilling and completion data to updated reservoir characterization and dynamic modeling
- Estimation of immediate and long-term production capabilities of oil and gas wells and their recoverable volumes
- Reservoir volumetric determination of hydrocarbon initially in place (HCIIP)
- Propose completion and workover interventions in wells
- Evaluate, recommend and implement optimal reservoir production/injection plans
- Carry out technical work/studies to support well proposal, drilling and testing programs,
- Reservoir and production update
- Economic evaluation of any potential prospects

➤ **C & I LEASING PLC / PROSAFE PRODUCTION PTE LIMITED**

Position: **Production Operator / Mechanic Technician**

Sept. 2006- Aug. 2007

- Production Repair, Installation
- Maintenance of FPSO Components requesting maintenance for users as required.
- To maintain operability and ensure availability of all platform equipment for optimum utilization
- Plan and implement preventive maintenance programs of generators
- Dismantling and reassembling of gas turbines and gas compressor unit.
- General maintenance and construction activities including manufacturing of engine spare parts, turning of bolts, nuts, water pumps shafts, flanges, weld-o-lets, thread-o-lets of API rated pressure
- Maintenance of wellhead valves.
- General maintenance of engines and equipment.
- To identify areas within the contract facilities for upgrading.
- To assist in developing National crews skill in QHSE and maintenance

➤ **WELLHEAD INCORPORATION / DEROTECH INTERNATIONAL LIMITED**

Position: **Petroleum/Wellhead Engineer**

	Dec.2005-Aug.2006 • Wellhead Installation/ Maintenance • Well / Equipment design and drilling Schedule • Tender / Quotes Preparation/Advert • House Engineering, Sales and Coordination of Company's Expatriate(s) • Technical/Project Reports Preparation • Provide technical and operational expertise to external customers • Assist in pre-planning, job execution and post-job analysis ➤ TAM INTERNATIONAL / TYPHA CENIA NIGERIA LIMITED Position: Petroleum/Field Engineer Aug.2002- Oct.2004 • Maintenance / Servicing Of Drilling Wells for SPDC, NAOC etc SPDC (RIG-75): Opuk-35; Opuk-36; Opuk-37; Opuk-38; Kanbo-38 (PARKER DRILLING COMPANY.) SPDC (DON WALKER FORCADOS): 149 (NOBLE DRILLING COMPANY) ✓ SPDC (TRIDENT-6): EA-38/B-13; EA-42/B-02 (TRANSOCEAN DRILLING COMPANY) ✓ SPDC (SEAREX-12):OVHOR-5; CAWC-052 (SEDCO-FOREX/TRANSOCEAN DRILLING COMPANY) ✓ AGIP (ENSCO 100): AGBARA DEEP 1 DIR. (ENSCO DRILLING COMPANY) ✓ SPDC (RIG-73): CAWC-050 (PARKER DRILLING COMPANY) ✓ ADDAX (SCARABEO-05): OKORI-8 (SAIPEM DRILLING COMPANY) • Bidding / Tender • QAQC – HSE • Workshop / Rig Supervision • Corrosion Control • Sales Representative
Institution Attended with Dates	Federal University of Technology, Akure; PhD Mining Engineering – Surface Mining (On-going) Federal University of Technology, Akure; M. Eng. Mining Engineering - Environment and Safety (2023) Usman Dan Fodio University, Sokoto; PGD. Education (2012) Institute of Petroleum Studies, Institute Française Du Petrol (IFP, France / University of Port Harcourt, Rivers State, Nigeria. M. Eng. Petroleum Engineering & Project Development (2005) Federal University of Technology, Akure; B. Eng. Mining Engineering (2001)
Individual projects	• Monitoring And Controlling Of Mine Water for Sustainable Development in Golden Girl, Ikpeshi, Edo State (Academic Masters' Thesis) • High Pressure/ High Temperature (HPHT) Drilling And Challenges (Professional Masters' Project)

	Mechanics of Corrosion In Production Wells (Undergraduate Projects)
Skills /attributes	- Computer literate & design - Excellent communication skills (Good in Speaking, writing & reading) - Ability to work independently - Good team work
Academic Qualifications with Dates	PhD Mining Engineering (2024 – Date) M.Sc. Mining Engineering (2019 – 2022) PGD. Education (2011 - 2012) M.Sc. Petroleum Engineering (2004 – 2005) B.Sc. (Hons) Mining Engineering (1990 - 1995)
Publication in Journals	Amosu C.O. and Adeosun T.A (2021): Curtailing Illegal Mining Operation in Nigeria, Department of Mineral and Petroleum Engineering, Yaba College of Technology, Yaba, International Journal of Advances in Engineering and Management (IJAEM), Volume 2, Issue 12, pp: 121-129, ISSN: 2395 – 5252, DOI: 10.35629/5252-0212121129. Amosu C. O. (2021): Alternate Mining Security Management, International Journal of Advanced Research and Innovative Ideas In Education, Vol. – 7, Issue -1, ISSN(O) – 2395 – 4396; 13548, Pp: 831- 841. Amosu C.O. (2021): Environmental Impact Evaluation of Mining, Department of Mineral and Petroleum Engineering, Yaba College of Technology, Yaba, International Journal of Trend in Scientific Research and Development, Volume 5, Issue 2, e-ISSN: 2456 – 6470, Department of Mineral and Petroleum Engineering, Yaba College of Technology, Yaba, Nigeria ; Page 535 – 541. - Amosu C.O. (2021): Curbing Accidents on Mine Site, Indian Journal of Data Mining, Volume - 1 Issue - 1, DOI: 10.35940/ijdm, Pp. 7 – 22. - Amosu C. O. (2021): Meeting Energy Demands through Mining, Indian Journal of Data Mining, ISSN: 2582 - 9246 (Online), Volume - 1 Issue – 2, DOI: 10.35940/ijdm, Pp. 1 – 13. Amosu C.O. (2021): Mechanism of Corrosion in Production Wells using Stainless Steel: Review; Indian Journal of Environment Engineering, Volume - 1 Issue - 1, DOI:10.35940/ijee.A180, Pp. 25 – 32. Amosu C.O. (2021): Reclamation of the Enugu Coal Mine Site at Abandonment, Indian Journal of Environment Engineering, ISSN: 2582 - 9289 (Online), Volume – 1, Issue – 2, DOI: 10.35940/ijee, Pp.18 – 24. Amosu C.O., Enitan C.S.A., and Eniola C.S.A. (2021): Implication of Mining to Health in Maiganga Coal Mine, Gombe State, Nigeria; Indian Journal of Management and Language, Volume – 1, Issue - 2, DOI: 10.35940/ijml, Pp. 4 – 14. Amosu C.O., and Adeosun T.A.(2021): Consequence of oil and Waste Spills on the Environment of Ogoniland, Rivers State, Nigeria, Indian Journal of Management and Language, Volume - 1, Issue - 2, DOI: 10.35940/ijml, Pp. 15 -

	28. 10. Amosu C.O. (2021): Dusts Control operations in Ririwai Mines, Kano State, Nigeria; Indian Journal of Management and Language, Volume – 1, Issue - 2, DOI: 10.35940/ijml, 29 – 36. 11. Amosu C.O. (2021): High Pressure and High Temperature Wells Cementation Using Calcium Oxide Additives: Review; Indian Journal of Petroleum Engineering, Volume - 1, Issue - 1, DOI: 10.35940/ijpe, Pp. 1 -8. 12. Amosu C.O. (2021): Effects of Noise and Control in Mine Operations; Indian Journal of Petroleum Engineering, ISSN: 2582 - 9297 (Online), Volume – 1, Issue - 2, DOI: 10.35940/ijpe, Pp. 1 – 15. 13. Amosu C.O. and Adeosun T.A.(2021): Waste Minimization in Segilola Gold Mine Project, Osun State; Department of Mineral and Petroleum Engineering, Yaba College of Technology, Lagos, Nigeria; Quest Journals / Journal of Research in Environmental and Earth Sciences, Volume 7 ~ Issue 4, pp: 06 – 17, ISSN(Online) :2348 – 2532. 14. Amosu C.O., Taiwo A.O. and Amaechi T.K. (2022): Impacts of Heat in Mining Operations: Review, Department of Mineral and Petroleum Engineering, Yaba College of Technology, Lagos, Nigeria; International Organisation of Scientific Research, Journal of Polymer and Textile Engineering (IOSR-JPTE) e-ISSN: 2348-019X, p ISSN: 2348-0181, Volume 9, Issue 2 (Mar. –Apr. 2022), PP 08-24, www.iosrjournals.org, DOI: 10.9790/019X-09020824 15. Amosu, C. O. and Adeosun, T.A.(2022): Solid Minerals Blueprint for Sustainable Local Prospects and Development; Department of Mineral and Petroleum Engineering, Yaba College of Technology, Lagos, Nigeria, Indian Journal of Environment Engineering (IJEE), ISSN 2582-9289 (Online), Volume-1Issue-3, Pp. 1-8. 16. Amosu C.O. and Omotehinse A.O. (2021): Seasonal Monitoring of the Economic Sustainability of Fanalou Quarry, Ikpeshi, Edo State, Nigeria, World News of Natural Sciences, WNOFNS 4, EISSN 2543-5426, Page 13-32. 17. Amosu C.O. (2022): Evaluating the Comparative Variabilities of Metallic Concentrations in Fanalou and Freedom Surface Mines, Ikpeshi, Edo State, Nigeria; World News of Natural Sciences, WNOFNS 44, EISSN 2543-5426, Page 275-293. 18. Adeosun T. A., Amosu C. O., Omitogun O. A., Amusa O. M. and Morenikeji B. A. (2023): Renewable Energy for Sustainable Development in Developing Countries: Benefits to the Environment; Journal of Energy Research and Reviews, Volume 13, Issue 3, Page 1-25, ISSN: 2581-8368. 19. Amosu C.O. (2023): A Review of Fire Outbreaks in Mining Operations – Itakpe, Kogi State, Nigeria; Yaba College of Technology, Lagos; Tech Journal of Science and Engineering Research (Vol. 6, No. 1, 2023) 58 – 80.
Conference Papers Presented with Dates	Amosu, C. O. and Adeosun T.A.: Solid Minerals Blueprint for Sustainable Local Prospects and Development; Department of Mineral and Petroleum Engineering, Yaba College of Technology, Lagos, Nigeria; Theme: Sustainable Utilization of Local Potentials for Scientific, Technological and Engineering Innovations; 3rd International Conference (Physical and Virtual) School of Engineering (ICSE), Yaba College of Technology, holding from 14th – 16th September, (2021). 1. Amosu, C. O.: Investigating The Comparative Variabilities of Metallic

	Concentration In Ikpeshi, Edo State – Case Study: Fanalou And Freedom Surface Mines; Department of Mineral and Petroleum Engineering, Yaba College of Technology, Lagos, Nigeria; 1st International Conference (Physical and Virtual) on Engineering And Applied Natural Sciences (ICEAN), Konya, Tokyo, holding from 10th – 13th May, (2022). 2. Amosu, C. O. and Morakinyo K.O.: Waste Management and Environmental Conservation: An Overview; of Mineral and Petroleum Engineering, Yaba College of Technology, Lagos, Nigeria and Department of Architecture, Federal Polytechnic, Ede, Osun State, Nigeria, 14th International Conference on Sciences, Engineering and Environmental Technology (ICONSEET) –Repositioning Scientific Environmental, Technological Innovations and Entrepreneurship in a Post Pandemic Era, Federal Polytechnic, Ede, Osun State, Nigeria, August 1-5, 2022. 3. Amosu C.O. (2023): Emerging Innovative Skills Applied into Local Benefits of Mineral Ore Beneficiation in Nigeria: An Overview; ASUP Yabatech International Conference, Lagos State, Nigeria, holding from June 20th – 22nd, 2023.
Professional Body Affiliations	➤ Registered Engineer: Council for Registration of Engineering in Nigeria (COREN) – 13/12/2012. Reg No. R.24, 058 ➤ Associate Environmental Professionals (AEP), National registry Of Environmental Professionals (NREP) – 1/11/2005 Reg No. A053 ➤ Teachers’ Registration Council of Nigeria (TRCN) – 11/03/2014 Reg No. LA/S/24963
Personal Skills	➤ Microsoft Word, Microsoft Excel and Microsoft Power Point ➤ Eclipse (Well correlation, Volume Calculation) ➤ PROSPER(Well Performance and Optimization) ➤ MBAL (Reservoir Drive Mechanism and Hydrocarbon Volumes)
	Readings, Research and Development, Innovative Ideas.

Referees

- **Engr. (Dr) Adeosun T.A.**
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