

Ali Cherif Azi

Single, male

Nationality: Norwegian

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Senior Reservoir (Petroleum) Engineer

Senior Reservoir Engineer with 19 years+ experience in Oil & Gas Industry with Statoil ASA Norway, BP UK, EHEA & PGNIG, and KUFPEC Norway AS, and holding two MSc degrees. I have worked on a range of fields, offshore in North Sea, the Norwegian Continental Shelf, and onshore in North Africa. I also have experience as a Production Engineer and in Well Performance.

With a special focus and interest in Exploration, Field Development & Fluid Mechanics, Material balance, Numerical Analysis & Functional analysis impact for problem solving in reservoir modelling, History Matching and predictions.

Good knowledge of Python programming and ML libraries and concepts.

-Lead & Sr Reservoir Engineer

-Production Engineer

-Versed in Project Management and lecturer in Risk Management.

-Professional Scrum Product Owner™ I (PSPO I)

Experience

Founder and CEO of WellTest Nordisk (Oct 2019-Present)

Founder of Well Test Nordisk. Providing Consultancy in Reservoir engineering and specific Tools and Training in Well Testing Analysis.

Sr Reservoir Engineer at ORLEN Upstream Norway AS (Jan 2024-Jan 2025)

Responsible for Sleipner East and West and Gungne (22 active wells) and Utgard (4 wells) for the reservoir engineering tasks.

Supporting on Eirin field development.

Sr Reservoir Engineer at KUFPEC Norway AS (Nov 2022-Jan 2024)

Responsible for Sleipner East and West and Gungne (22 active wells) for the reservoir engineering tasks, including internal 5 Year Plan, Year End reserves evaluation, Decline Curve Analysis under OFM. Attended numerous AC and MC meetings with the partners as AC representative for Sleipner and Utgard fields.

Responsible for Utgard (2 active wells+2 closed wells) for the reservoir engineering tasks, including internal 5 Year Plan, Year End reserves evaluation, Decline Curve Analysis.

Other processes include Reserves Monitoring and change, reporting of Consolidated reserves across the company portfolio.

Use of Resolve/GAP for complex network modelling of Greater Sleipner area for estimation of infill well target in Epsilon South segment.

Technical reservoir engineering QA Advisor for all internal assets including Sleipner, Utgard and Gina Krog. Appraisal of Eirin infill target in tight reservoir as tie-in to Gina Krog.

Prepared reservoir simulation work for Frida Kahlo exploration well (Sleipner field), Alfa North Infill well, and Utgard development well reviewed in Peer Assist and Technical Peer Review meetings.

Participation on partner side of appraisal of exploration well in a chalk reservoir formation (Hod formation, Loke area, Sleipner field).

Writing of Process Guidelines and Working Requirements for yearly internal processes for reserves and resources reporting (including 5 Years Plan, Mid-year Reserves & Year End Reserves).
Participation to Yme, Gyda, Tambar East weekly field reporting.

Q&A participation and organization of virtual data room for potential buyers.

Lead Reservoir Engineer at Neptune Energy Norway (Aug 2021-Sept 2021)

Consultancy in Reservoir Engineering. Reserves reporting on four fields. Reservoir simulation. Work performed on Non Operated assets: Main responsibility on Fram & Byrding licenses (24 active wells: oil&gas producers, water injection, gas injection, cuttings injectors) with several deposits. Work on Vidsyn NW prospect production profiles, part of Fenja operated license. Work on Tiger prospect production profiles, part of Dugong operated license. Contribution to diverse APA.

Sr Reservoir Engineer at PGNIG AS (March-April 2019)

Consultant at PGNIG. Data room work & Reserves estimates and Uncertainty Analysis for bidding round processes for PGNIG branch in Norway.

Expert Lecturer at EHEA (Dec 2018-Dec2019) Contractor

- Design & Teaching of 4-Days Subsurface Uncertainty and Risk Management Lecture in Oil&Gas Industry (Corporate Course). (Dec 2018) at School of High Studies in Insurances in Algiers (EHEA). Target audience: Risk Evaluation Engineers & Statisticians from 4 Client companies: CASH (Subsidiary of Sonatrach), SAA, CNA, CAAT (Insurance & Reinsurance).
- Complementary input to students (Nov 2019)

Petroleum Engineering Consultant (Jan 2017-Present)

Advisory & Consultancy service in Reservoir Engineering Technology.

Reservoir engineering, Production engineering. Emphasis on Teaching Well Testing Analysis, Well Performance, Smart Completions (ICD, NID, SICV, AICD) & Uncertainty Analysis.

- Design & Teaching of Well Testing Analysis training course. (<https://wta.thinkific.com>).
- Technical Assistance at Drilling company **Forasol SARL** on acquisition and servicing of Wireline & Slickline equipment. **(Jun 2017 to March 2018)**
- Design of Online Well Testing software and training, using Javascript and HTML.
- <http://wellexpert.blogspot.com>
- <https://wta.thinkific.com>

Sr Reservoir Engineer at Statoil

Petroleum Technology Valemon HPHT field (Sep 2013-Dec 2015)

Production Engineering tasks on Valemon field PTC. (Osisoft PI, Prosper, Energy Components user, OFM). Reservoir Engineer on Svalin field until Dec 2013. (Successful production in Svalin M, and successful pilot appraisal of sand formation in Svalin C).

Field Development Department (Jan 2011-Sep 2013)

Hands on advanced level in reservoir modelling.

Field development for Svalin Slightly Heavy Oil field:

-Concept selection:

Follow-up and achievement of previous DG2 C&M blocks Subsurface Field development project. Early Phase reservoir model building for conception phase and detailed well planning.

-Detailed engineering:

Follow-up and achievement of previous DG3 M block.

Handover to Grane Petec for Recommendation to Drill.

Follow-up and achievement of previous DG3 C block.

-Execution & construction phase: DG4
Production and D&W focusing.(Gas lift, smart completion, Input to Blow-out simulation studies (Reservoir & well performance and Decline)).

Production engineering tasks:

- Input to Blow-Out study (using Olga) based on IPR, VLP calculations In Prosper.
- Simulation of timing of Decline of reservoir pressure after Gas Blow-out, using Mbal, and Prosper.
- Netool simulations for Swell packers , ICD & sand screen , and well location.
- Input to Mbal and use for Gas lift and Water production optimization.

Reservoir Management Department (Jun 2010 – Dec 2010)

Hands on advanced level in reservoir modelling.

Phase DG2 for Grane C&M project

Building of reservoir model for the Concept selection phase.

Coordinate input from different disciplines.

as part of Petech Svalin (Grane C&M) Early phase project.

Petroleum Technology Gullfaks Platform C at StatoilHydro March 2009 – Jun 2010 (16 months)

Responsibility in reservoir engineering prognosis for a well Recommendation to Drill.

Responsibility for Statfjord Formation wells history update/prognosis

Implementation of Gimle PVT updates.

History match of unitized regional model Pan Pandora/Gimle.

AMAP process Targeting remaining oil and maturation PCCJ23

History match Gimle simulation model.

Statfjord and Cook wells production prognosis.

Case studies:

Planning of project well in Cook, associated with high depletion:

- Assess communication with neighbouring Ringfly sand.
- Justify drilling the Cook producer and Ringfly producer
- Convert existing Cook producer C-45 to gas injector
- Build pressure, gas injection, drillability, Cook simulation model, economy

Effect of re-perforating in Cook3 formation and potential from nearby Kranssands.

Effect of downgrade of WI in Statfjord segment, with associated gas huff puff cycle.

Flooding maps (Statfjord ,Cook formations)

External support task (October 2009)

QC/QA of DST results for license bidding round SE Illizi fields (Algeria)

Tight Gas fields.

Department INT BD Exploration.

Reservoir Business development (Long term planning) Statfjord at Statoil-Hydro July 2008 - February 2009 (8 months)

Risk Analysis long term profile for Statfjord full field production.

Reserves reporting processes (Reserves National Budget to the National Petroleum Directorate,

Degoyle & Mcnaughton SMV reporting, Internal IOR plan)

Simulations for diverting part of the production to a Low-Low pressure separator. Statfjord platform A.

External support task (2008)

Study on Geothermal prospects in Indonesia and Australia.

Department TNE

**International Europe & North Africa Business & Technical Support at StatoilHydro
October 2007 - June 2008 (9 months)**

Material balance model for In Amenas satellites, Western Area
Partner meeting on exploration program for In Amenas field (Algeria)

Ahnet field

- Data collection and analysis.
 - Estimate of the production profile based on integrated asset model (pipeline network , wells and reservoir) using GAP , Mbal , Prosper.
 - Attended data room, and provide technical support.
- Data room Ahnet for license round Aug 2008.

Corporate Trainee Program 2007-2009

Mechanical engineer at BP

March 2005 - August 2005 (5 months)

Simulation of polyphasic flows via TGnet & PipeSim,
for the design of In Salah southern field pipeline network.
Addressing flow Assurance issues (Hydrates, Slugging) , Separator design, line packing, and re-
design for In Salah CO2 recompression project. In collaboration with JV BP-Statoil-Sonatrach,
on operational sites in Hassi Messaoud et In Salah (Krechba).

Industrial Maintenance Trainee at GLI

July 2003 - August 2003 (1 month)

Education

Université Jussieu Paris 6-Sorbonne

Followed Pure and Applied Modules in Advanced Probabilities & Stochastic Calculus, Year 2016

Imperial College London

MSc, Petroleum Engineering, 2006 – 2007

ENSEM Nancy-Ecole Nationale Supérieure d'Electricité et de Mécanique

MSc, Mechanical Engineering, 2002 – 2005

Main projects:

2nd year Fluid Mechanics project

Solid Mechanics project (Numerical analysis for simulation of Rheology for the flow in all possible
pipeline section for isothermal compressible oil flows with Pr Didier Bernardin)

3rd year Fluid & Heat Exchange project:

Modelization through Matlab of glass flow (conductive and convective exchanges included) using
functional analysis on Lagrangian adaptative mesh under the direction of Dr Benjamin Remy.

Lycée Lavoisier, Preparatory Classes, France PCSI-PC

1998 – 2001

Software Competence

Production and Reservoir engineering

GAP, Mbal, Prosper, Eclipse 100, Petrel RE, Schedule, Netool.

Flow Assurance: Pipesim, Tgnet, Olga.

Well test Analysis PIE, Saphire ,Interpret,Pansystem, WellTest.

PVT: PVTsim, PVTi.

Risk Analysis @Risk, Crystal Ball.

Programming: VBA for Excel, Fortran (F77 and F90), Javascript/HTML/CSS.

Others: CSD

Language skills

French: Native language

English: Fluent Working Proficiency

Norwegian: Good Working Proficiency

Arabic: Medium to Good working Proficiency.

Spanish: Good Working Proficiency

Italian, Polish: Beginner-Notions

Publications

February 2009, Vol. 61 No. 2 Journal of Petroleum Technology, Evaluating Confidence Intervals in Well-Test-Interpretation Results

SPE paper 113888, "Evaluation of Confidence Intervals in Well-Test- Interpretation Results," by A.C.Azi, SPE, and A. Gbo, SPE, Imperial College; T. Whittle, SPE, Baker Atlas; and A.C. Gringarten, SPE, Imperial College, prepared for the 2008 SPE Europec/EAGE Annual Conference and Exhibition, Rome, 9–12 June. The paper has not been peer reviewed.

Certifications

LLMOps Concepts DataCamp Issued Apr 2025 · No Expiration

Introduction to Python DataCamp Issued Mar 2025 · No Expiration

Large Language Models (LLMs) Concepts DataCamp Issued Feb 2025 · No Expiration

Extreme Gradient Boosting with XGBoost DataCamp Issued Feb 2025 · No Expiration

Supervised Learning with Scikit-learn DataCamp Issued Jan 2025 · No Expiration

Machine Learning for Business DataCamp Issued Jan 2025 · No Expiration

Professional Scrum Product Owner™ I (PSPO I) Professional Scrum Product Owner™ I (PSPO I) Scrum.org Scrum.org Issued Aug 2022

Creation of Jira SCRUM project Creation of Jira SCRUM Coursera Course Certificate Issued Jul 2022

Linkedin Skill Badge: Javascript

Course for new limited companies Course for new limited companies Skatteetaten Issued Sep 2021 · No Expiration Date

Introduction to Intellectual Property Introduction to Intellectual Property University of Pennsylvania University Issued Sep 2020 · No Expiration

Fundamentals of Project Planning and Management Fundamentals of Project Planning and Management University of Virginia University Jul 2020 · No Expiration

Introduction to Python Introduction to Python Coursera Issued Jul 2020 · No Expiration

Linear Regression with NumPy and Python Linear Regression with NumPy and Python

Coursera Issued Jul 2020 · No Expiration

Modern JavaScript: ES6 BasicsModern JavaScript: ES6 Basics

Coursera Issued Jul 2020 · No Expiration

RESTful API with HTTP and JavaScript RESTful API with HTTP and JavaScript

Coursera Issued Jul 2020 · No Expiration

Web App Creation with Flask and Python Web App Creation with Flask and Python

Coursera Issued Jul 2020 · No Expiration

Artificial Intelligence Ethics in Action

LearnQuest May 2022 – No expiration

Machine Learning for Everyone

DataCamp Jun 2022 – No expiration date

Data Science for Everyone

DataCamp Jun 2022 – No expiration date

Linkedin Skill Badge: Front-End Development

Jun 2022 – No expiration date