I’m a Principal Petroleum Engineer with 27 years of experience as Development Field Engineer. I worked for the three most important basins of Argentina, San Jorge Gulf, Neuquen and Austral. Also, I worked as a Secondee Senior Reservoir Team Leader in Repsol Libya, the company is Akakus Oil Operations. Currently I’m working as Principal Regional Reservoir Engineer in YPF.-

I have strong knowledge in oil, gas & condensate field monitoring. Fields with primary and/or secondary recovery mechanisms. Both Onshore and Offshore. To improve recovery factor of water flooding projects, I proposed wells interventions, patterns re-arrangements and work over.-

I build and work with reservoir simulation models (Eclipse, Petrel RE and tNav) optimizing production and reserves. I propose new wells and locations maximizing the recovery. Also I work with material balance modeling and reservoir fluid analysis towards to optimize the dynamic models.-

I have solid knowledge in project evaluation with PEEP (MERAK). Risk and tornado analysis. I was responsible of Year Development Plans and Long-Term Plans. Experience in reporting Yearly Reserves, according to SEC regulations. Production data analysis & decline curve analysis (WOR vs. Np), well performance modeling, tools I used to justified fields reserves.-

The software I manage are, Eclipse, PETREL RE, tNav, PROSPER, MBAL, Saphir, PEEP and Crystal Ball. Also, y have strong knowledge of Programming in Python language (Machine Learning).-

My strong Reservoir Engineering skills could by complemented by my effective communication skills and well developed interpersonal/intercultural skills. I’m completely flexible to adapt to new situations, departments and cultures. I don’t have any problem living in different countries. My expectation is to have the opportunity to work in different fields facing new challenges.-

Responsible of Field Monitoring and optimization, Strategic Development Plan and Reserves determination for 8 assets, performing:

✓ Analytical and numerical models analysis (tNav and Petrel RE)

✓ Ranking and selection of patterns to by optimized.

✓ Waterflooding monitoring and surveillance.

✓ Water Conformance.

✓ Delivery of WO recommendations and actions to take

✓ Providing technical and economic analysis for new wells drilling and wells workover.

✓ Forecasting and reserves estimation.

✓ Ensure that the Regional Field Development Plans are aligned with the strategy of the company.

✓ Technical responsible for the Book Of Reserves exercise (coordination with asset managers and economists, technical evaluation and validation of the numbers, presentation to Head Office team and reports writing).

✓ Ensure that the best reservoir practices and processes are transferred transversally to all the assets of the region.

✓ Ensure high standards of production engineering in the Regional assets through both staff motivation/development and through adequate QA/QC, and without becoming heavily involved in operational execution.

Coordinate with the Regional Manager the defining of the Field Development strategies of 8 assets to maximize their value. Establish best practices for subsurface studies. Ensure that the necessary studies are made to enhance the vertical and areal extent of the Reservoirs.

Soy Ingeniero en Petróleo Principal con 27 años de experiencia como Ingeniero de Desarrollo de Yacimientos de Petróleo y Gas. Trabajé para las tres cuencas más importantes de Argentina, Golfo San Jorge, Neuquén y Austral. Además, trabajé como Líder Senior del equipo de yacimientos de Repsol en Libia, la empresa es Akakus Oil Operations. Actualmente me desempeño como Ingeniero Regional Principal en YPF.-

Tengo sólidos conocimientos en monitoreo de campos de petróleo, gas y condensados. Campos con mecanismos de recuperación primarios y/o secundarios. Tanto en tierra como en alta mar. Para mejorar el factor de recobro en los Yacimientos para los que trabajo, propuse intervenciones de pozos, reordenamiento de patterns y WO.

Construí y trabajé con modelos de simulación de reservorios (Eclipse, Petrel RE y tNav) optimizando producción y reservas. Propuse nuevos pozos y ubicaciones maximizando la recuperación. También trabajé con modelos de balance de materiales y análisis de fluidos de yacimientos para optimizar los modelos dinámicos.

Tengo sólidos conocimientos en evaluación de proyectos con PEEP (MERAK). Análisis de riesgo y tornados. Fui responsable de los Planes de Desarrollo Anuales y Planes de Largo Plazo. Experiencia en reporte de Reservas Anuales, según regulaciones de la SEC. Análisis de datos de producción y análisis de curva de declinación (WOR vs. Np), modelado de desempeño de pozos, herramientas que utilicé para justificar reservas de campos.

Los software que manejo son, Eclipse, PETREL RE, tNav, PROSPER, MBAL, Saphir, PEEP y Crystal Ball, además tengo fuertes conocimientos de Programación en lenguaje Python (Machine Learning).-

Mis sólidas habilidades en ingeniería de yacimientos podrían complementarse con mis habilidades de comunicación efectiva y mis habilidades interpersonales/interculturales bien desarrolladas. Soy completamente flexible para adaptarme a nuevas situaciones, departamentos y culturas. No tengo ningún problema en vivir en diferentes países. Mi expectativa es tener la oportunidad de trabajar en diferentes campos enfrentando nuevos desafíos.-

1. **Job Purpose**

* Manage, direct and guide the NOA subsurface modelling capabilities, asphaltene management, IOR/EOR expertise, rigless and workover, AI, FDP, Technological Scouting.
* Provide high-quality simulations (both Black Oil and Compositional) and production optimization activities to address the uncertainties associated with brown-phase production (Mature Waterflooding) in Egypt offshore reservoirs and green-phase development of Block 9 reservoirs in Iraq.
* Manage asphaltene, complex fluid characterization and drilling complex slanted wells in tight/low perm reservoirs.
* Provide Reservoir Engineering SME recommendation on IFD plan in Block 9, Iraq (depletion and waterflooding and AL)

1. **Job Responsibilities**

* Conduct preliminary assessments of archived and new reservoir, development and production data.
* Coordinate and manage subsurface data acquisition and quality control programs in areas such as fluid sampling, pressure monitoring, PVT analysis and special core analysis.
* Assist the Non Operated Assets (Egypt and Iraq) in developing PVT, SCAL, reservoir condition core flooding and other relevant studies (including Asphaltene and Geomechanics)
* Interpret field data, laboratory results and reservoir studies to reliably assess reservoir performance. 1.                Estimate oil and gas reserves and review performance trends using material balance calculations, simulation study results, production decline curve analysis, pressure data and other available methods. Assess ultimate economic recovery potential from initial or current production to abandonment.
* Develop reliable short-term and medium-term production forecasts based on estimates of oil and gas in place, understanding of reservoir drive mechanisms, information from static reservoir models, results of numerical simulations and analysis of current reservoir performance.
* Identify, quantify and present opportunities for appraisal, development, production optimization and utilization of new technologies and tools.
* Perform economics and risk assessment studies of planned reservoir development projects and conduct initial technical and economic evaluations.
* Provide technical and economic input into evaluating the improved oil recovery potential of assigned assets.
* Participate in defining the range of studies to be submitted by consultants with respect to particular projects, and provide input into the consultant selection and performance monitoring process.

1. **Education**

* Bachelor’s Degree or higher in Chemical or Petroleum Engineering or closely related discipline
* Minimum 10 years of experience with an international exploration and production (E&P) operator in reservoir management, and a broad background in brown and green fields development planning.

Purpose

Maximize production from reservoirs base well stock through effective reservoir management best practices, reservoir surveillance plans, opportunities identification and maturation.

Utilization of ALSFFM V1&V2 (IX), and 4D Seismic to optimize voidage replacement, non-conformance mitigations and increase recovery.

Accountabilities

Identification, planning and close follow-up the reservoir surveillance plans for Client reservoir.

Identification and follow-up of reservoir management activities to maximize production, voidage replacement improvement, and reduce the production decline rates.

Perform simulation using ALSFFM and special studies related to well performance improvement.

Use of IX and 4D Seismic to identify optimum zonal shifting and injection to increase sweep efficiency.

Use of segmented well modelling (IX) both in ALSFFM and Single Well Models to optimize and design Client re-drill wells.

Opportunities identification and maturation to FID (RD Workovers, Tubing Change-outs, Integrity WO, Stimulation...) for production and injection improvements

Timely generation of monthly unconstrained profiles for short term production forecast (Rolling Forecast)

New wells and work-overs post-mortem synthesis

Wells & Well Patterns reviews

WAG cycles optimization, execution, and follow-up

Surfactant pilots’ maturation, execution, and monitoring

Support the Integrated Reservoir Management team within RMO unit on the cross reservoirs’ activities and studies.

Support FO/PWP for day-to-day and short-term production / injection optimization

Perform simulation and models history match and share learnings with Development and Growth teams.

Support Profiles and Reserves team by providing data for Integrated Asset Modelling.

Qualifications & Experience Required

10+ years of experience within a subsurface organization

Minimum requirement of a bachelor’s degree, and preferably master’s degree (in RE / PE subject)

Experience with Intersect (IX), Eclipse, Petrel, EST & dynamic modelling workflows.

In-depth understanding of Reservoir Management and surveillance processes

Proven track record of maximizing value in complex carbonate fields

Reservoir and geoscience working experience in an operated asset.

Strong experience on reservoir dynamic modeling (Eclipse/IX) and model history matching

Strong communication and collaboration skills.

Detail oriented with bias to action.

Ability to collaborate and influence across multidisciplinary teams and entities.

Ability to influence business decision making.

Strong networking skills externally and internally

Profile Required

* In-depth understanding of Reservoir Management and surveillance processes
* Proven track record of maximising value in complex carbonate fields
* Reservoir and geoscience working experience in an operated asset
* Strong experience on reservoir dynamic modeling (Eclipse/IX) and model history matching
* Strong communication and collaboration skills.
* Detail oriented with bias to action
* Ability to collaborate and influence across multidisciplinary teams and entities
* Ability to influence business decision making
* Strong networking skills externally and internally

Activities

* Perform detailed wells performance analysis and postmortem synthesis
* Perform subsurface studies to improve production and injection (slugging, NFA decline analysis, stabilization analysis, GL optimization, ..etc)
* Perform simulation studies using ALSFFM V1&2 to define optimum injection (Water and WAG), short term forecasting, and voidage replacement improvement
* Use of IX and 4D Seismic to identify optimum zonal shifting and injection schemes to increase sweep efficiency
* Use of of segmented well modelling (IX) both in ALSFFM and Single Well Models to optimize and design project re-drill wells
* Perform simulation studies to define optimum injection (water and WAG), short term forecasting, and voidage replacement improvement
* Lead identifying and prioritizing reservoir surveillance plans, and ensure close follow-up
* Lead opportunities identification, ranking and maturation (Workovers, Stimulation, ..etc) until FID for Deep Redrills, workovers and other opportunities
* Support light workovers maturation (tubing change-out) until final SOR
* Maintain and close follow-up of opportunities hopper
* Support WAG cycles optimization, execution and follow-up
* Support the maturation of Surfactant pilots, execution and follow-up
* Contribute to the generation of the yearly reservoir management plans and ensure their execution
* Consolidate and present the reservoir quarterly Reservoir Management reviews to SH's
* Perform decline curve analysis and generate the monthly unconstrained profiles for the rolling forecast
* Define completion strategies for re-drill and WO wells supported by simulation studies
* Support the New Well Delivery team all along the WO's SOR process
* Contribute to the yearly reserves exercise
* Support the team lead in identifying training needs for team members and recruitment interviews
* Coach and mentor junior team members and Qatari young professionals.

Aramco occupies a unique position in the global energy industry. We are the world's largest producer of hydrocarbons (oil and gas), with the lowest upstream carbon intensity of any major producer.  
  
With our significant investment in technology and infrastructure, we strive to maximize the value of the energy we produce for the world along with a commitment to enhance Aramco’s value to society.  
  
Headquartered in the Kingdom of Saudi Arabia, and with offices around the world, we combine market discipline with a generations’ spanning view of the future, born of our nine decades experience as responsible stewards of the Kingdom’s vast hydrocarbon resources. This responsibility has driven us to deliver significant societal and economic benefits to not just the Kingdom, but also to a vast number of communities, economies, and countries that rely on the vital and reliable energy that we supply.  
  
We are one of the most profitable companies in the world, as well as amongst the top five global companies by market capitalization.  
  
**Overview**Saudi Aramco is seeking a Gas Reservoir Engineer to work part of the technical team of one of the Northern Area Gas Reservoir Managements Departments under the Gas Development Admin Department arm of Petroleum Engineering & Development Admin Area under Upstream Business Line.  
  
As a gas reservoir engineer, you must have extensive experience of gas reservoir management to be able to support Saudi Aramco developing and managing world-class onshore and offshore non-associated gas fields, reservoirs and reserves. Our petroleum engineers conduct pioneering research, introduce new technologies and provide specialized engineering services as part of our customized reservoir management practices. As a senior gas reservoir engineer, you are expected to provide expert advice and guidance on all aspects of gas/gas-condensate reservoir management, including designing, participating in and implementing best-in-class reservoir management programs.  
  
This position is embedded within the Petroleum Engineering business and as a senior technical specialist, will engage with leaders and experts from across the upstream business.  
  
Key Responsibilities

* Provide guidance and oversight on best-in-class reservoir management tenets, practices and state-of-the art- technologies for all Saudi Aramco non-associated gas assets.
* Formulate reservoir development, data acquisition, strategic surveillance and monitoring master-plans to ensure optimal development and depletion strategies.
* Utilize reservoir management standards and guidelines to enhance both NPV and hydrocarbon recovery.
* Lead, design and participate in integrated field reviews and field development plans.
* Prepare reservoir engineering input into drilling and work-over proposals and programs.
* Recommend advanced completion techniques for horizontal and multi-lateral wells.
* Lead and participate in reservoir engineering studies that include reservoir stimulation modeling of various IOR processes for improvement of ultimate recovery.
* Participate in technical societies and technical groups.
* Train and mentor young engineers.

**Minimum Requirements**

* Bachelor of science in petroleum engineering or related discipline from an accredited university, MSc or PhD is desirable, but not required.
* Minimum of 15 years of experience petroleum engineering organization with a minimum of 7 years specializing in gas/gas-condensate reservoir management. A training history of appropriate specialized courses and seminars is expected. Technical publications are valued but in-depth practical experience is paramount.
* You must have the ability to interact and communicate effectively with specialists in geology, core and fluid analysis, petrophysics, simulation, drilling, stimulation, completion and production and facilities.
* You must have hands-on experience in reservoir simulation (compositional and black-oil), reserves management, acid stimulation and hydraulic fracturing, open-hole and cased-hole log evaluation, geological properties modeling, reservoir operations, completion and production procedures and technologies.
* You must demonstratable technical contribution in Petroleum and Reservoir engineering knowledge sharing through reputable international publications, technology patents and mentoring programs.
* You must have history of using modern reservoir management practices for gas and gas condensate reservoirs.

**Working environment**Our high-performing employees are drawn by the challenging and rewarding professional, technical and industrial opportunities we offer, and are remunerated accordingly.  
  
At Aramco, our people work on truly world-scale projects, supported by investment in capital and technology that is second to none. And because, as a global energy company, we are faced with addressing some of the world’s biggest technical, logistical and environmental challenges, we invest heavily in talent development.  
  
We have a proud history of educating and training our workforce over many decades. Employees at all levels are encouraged to improve their sector-specific knowledge and competencies through our workforce development programs – one of the largest in the world.

To be considered we'd ideally like you to have:

Degree educated (ideally Masters level)

3+ years Reservoir Engineering experience

Experience of Petrel, Eclipse or T-Navigator (PETEX would be a bonus)

Confident working in client-facing scenarios

Based in Stavanger, Norway

We are currently looking for a Reservoir Engineer to join our team in Bucharest, Romania.

Reporting to the Reservoir Management Manager you will be responsible to perform integrated reservoir studies, evaluate and define the development plan for the reservoirs, contributing to the increase of recovery and limiting the decline of fields.

Main responsibilities

The Reservoir Engineer will have the following responsibilities:

Executing data-gathering plans, updating the database for the reservoirs in the Company's portfolio and using the results to develop projects to increase recovery efficiency.

Analyses data and carries out reservoir studies with practical impact: physical model and development plans, integrating geological, geophysical and production data.

Estimates reserves and forecasts production for medium and long term planning.

Performs viable development plans for reservoirs and technical projects to optimize production.

Identifies productive areas, saturated areas and new opportunities to increase production by optimizing recovery plans including new well locations or projects involving enhanced recovery methods.

Participates in the establishment of geological programs for workovers, supervising their implementation and monitoring the results.

Prepares the scope of work and monitors the operations for data acquisition and other geophysical investigations.

Participates in the preparation and presentation of NAMR studies/notifications.

Participates in the evaluation of the reservoirs in the Company's portfolio but also of those in the Company's development strategy.

Skills & Experience

The successful candidate must meet the following requirements:

Bachelor's Degree in Petroleum Engineering.

At least 10 years of experience in Reservoir Engineering.

Ability to evaluate reservoirs and integrate large amounts of information from various sources, such as geological models, well logs, production data.

Proficient in using various software applications and tools, such as OFM, Petrel, MBAL Prosper, Saphir, etc.

Good command of Microsoft Office (Excel, Power Point, etc.)

Good interpersonal skills to communicate and collaborate effectively with other professionals (geologists, field engineers) and third parties (contractors and authorities).

Solid foundation in the core principles of production engineering.

Experience in day-to-day operation of oil and gas fields is strong value added.

Strong communication skills both verbal and written in Romanian.

English skills is a value added.

Availability to travel.

What we offer

Become part of an Energy company committed to make a strong and fast impact on reducing environmental footprint of oil and gas operations.

Dynamic and challenging job with an ambitious international company.

Competitive employment package.

Regular Training in the relevant domains.

A work culture that values teamwork and initiative.

Responsible for providing Petroleum Engineering support across all of Sasol’s Southern Mozambique projects (both studies and ongoing drilling and workover execution activities). To provide critical PE support to the drilling campaign. This includes concept completion design for new and existing wells, well test design, operational support during drilling, completions and data acquisition. provide functional advice and support to ongoing reservoir and field development studies and projects.

Recruitment Description / Key Accountabilities

Hands-on petroleum engineering work on new well and workover designs for projects at various stages of maturity (exploration, appraisal, development and production).

Build and/or maintain integrated production models (IPM)

Support well operational planning and execution activities covering drilling, completions, testing, workovers and production activities.

Mentoring and functional support to all Sasol’s upstream subsurface teams.

Provide strong leadership in integration across all subsurface disciplines.

Provide front line technical assurance role prior to any project closeout or final review by the Petroleum Engineering Lead/SME.

Develop robust technical arguments and clearly present to management and technical staff.

Documenting, presenting and archiving of results of technical work.

Familiarise with Sasol’s policies on SHE, Risk Management and Major Hazards.

Familiarise with work and be aware of all associated risks for People, the Environment, Office areas with an understanding of health (e.g. Covid responsibilities) and wellbeing

Report any incidents, near misses, hazards (unsafe acts/situations) and improvement suggestions such as safety moments.

Formal Education

Ideally educated to a post graduate degree level in reservoir or petroleum engineering (MSc) or equivalent demonstrable experience.

Working Experience

Minimum 20 years’ oil and gas experience ideally gained in an operating environment

Required Personal And Professional Experience

Advanced level of understanding of reservoir and petroleum engineering principles and concepts and their integration with other subsurface (geology, geophysics, petrophysics, reservoir engineering), well engineering and surface engineering functions.

Experience in concept completion design, sand control, geomechanics, well interventions, well stimulation required.

Advanced understanding of both analytical and simulation based dynamic modelling techniques. Expert level expertise in integrated production modelling required.

We are seeking a strong senior level reservoir engineer, with extensive unconventional reservoir experience to join our Unconventional Reservoir Engineering Department.

Your primary role should be to provide technical strategic solutions to the development of unconventional asset. To perform well evaluation, play assessments, and generate reliable production forecasts for the Company. You should work within a multi-disciplinary team consisting of geoscientists and engineers involved in the assessment and development of the specific UR assets. You will support the team with your experience in reservoir characterization and modeling, reservoir management, performance and surveillance to develop and execute a field development plan for Ultra tight and Channels sand reservoirs.

Duties And Responsibilities

You will be required to perform the following;

Design and implement innovative solutions for depletion strategies, reservoir performance analysis and field development plans for unconventional resource plays.

Study reservoir and well performance data and develop/supervise reservoir surveillance programs and reservoir management activities.

Supervise and conduct comprehensive fracture modeling and simulation studies to identify optimal well spacing, completions design, unconventional reservoir management strategies and opportunities.

Organize and lead multi-functional peer reviews to support and improve field development design

Monitor operating expenses to operate and maintain wells to produce the highest volumes of oil and gas at the lowest cost.

Prepare annual volumes and expenses for budgeting.

Monitor and analyze well tests and production curves.

Gather, perform calculations on and analyze data such as well tests, fluid levels, bottom-hole pressures, and decline curves to assure efficient producing and equipment utilization.

Coordinate all aspect of new completions, especially design of fracture stimulation.

Work closely with multidisciplinary team in planning and conducting field studies.

Prepare requirements for well construction, develop well designs for new wells and provide technical assistance to drilling staff to ensure that each well is completed in a safe and efficient manner.

Provide economic evaluation to support fast-paced development decisions and work closely with drilling, completions, and production teams.

Develop and implement efficient reservoir engineering and organizational practices

Provide on the job coaching and mentoring to help develop capabilities of team members to enable them to grow technically and perform their job effectively and efficiently.

Minimum Requirements

As the successful candidate you should have a Bachelor's degree in Petroleum engineering or a related science as appropriate to the required discipline. An advanced degree is preferred and will reduce prerequisite work experience stated below by one year for master degree and two years for PhD.

You should have 20 -25 years' experience with at least 10 years in unconventional plays including shale or tight gas/condensate or channel reservoirs, with international experience in unconventional hydrocarbon basins required.

You should have experience, or a good understanding, of stimulation programs design, open hole and cased hole logging capabilities, well test analysis (Pressure transient analysis and rate transient analysis), decline curve analysis, dynamic reservoir modeling, reserves classification, EUR predictions, well spacing optimization, will be required to support key development decisions.

Knowledge of the following applications is required: IHS Harmony, Kappa Workstation Suite (Saphir, Topaze minimum), ECLIPSE, Kinetix, GOHFER (DFIT Analysis capabilities), Petroleum Expert, CMG, Peep, OFM, MOSAIC, PVTsim NOVA and EOS modeling is preferred.

You must have demonstrated ability to work in a fast paced environment and handle some ambiguity in analysis.

You must have solid organizational and time management skills. Ability to work with limited data.

You must have excellent written and verbal communication skills.

You must have Ability to generate Management Reports.

You must have strong computer skills and Data analysis experience, preferably with Spotfire or OFM.

You should have good Business Planning acumen (economic analysis, project management). Familiar with field development / economic concepts with a broad knowledge in drilling, completions, and reservoir stimulation technologies with understanding of horizontal multistage fracturing for unconventional reservoir.

Working environment

Our high-performing employees are drawn by the challenging and rewarding professional, technical and industrial opportunities we offer, and are remunerated accordingly.

At Aramco, our people work on truly world-scale projects, supported by investment in capital and technology that is second to none. And because, as a global energy company, we are faced with addressing some of the world's biggest technical, logistical and environmental challenges, we invest heavily in talent development.

We have a proud history of educating and training our workforce over many decades. Employees at all levels are encouraged to improve their sector-specific knowledge and competencies through our workforce development programs - one of the largest in the world.

Identifies productive areas, saturated areas and new opportunities to increase production by optimizing recovery plans including new well locations or projects involving enhanced recovery methods.

To enhance the **recovery factor** in water flooding projects, I have proposed **well interventions**, **pattern re-arrangements**, and **workover strategies**.

My analytical skills include production data analysis and decline curve analysis (specifically comparing WOR vs. Np).

Responsible of Field Monitoring and optimization, Strategic Development Plan and Reserves determination for 8 assets, performing:

✓ Analytical and numerical models analysis (tNav and Petrel RE)

✓ Ranking and selection of patterns to by optimized.

✓ Waterflooding monitoring and surveillance.

✓ Water Conformance.

✓ Delivery of WO recommendations and actions to take

✓ Providing technical and economic analysis for new wells drilling and wells workover.

✓ Forecasting and reserves estimation.

✓ Ensure that the Regional Field Development Plans are aligned with the strategy of the company.

✓ Technical responsible for the Book Of Reserves exercise (coordination with asset managers and economists, technical evaluation and validation of the numbers, presentation to Head Office team and reports writing).

✓ Ensure that the best reservoir practices and processes are transferred transversally to all the assets of the region.

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