



## JOB DESCRIPTION

<b>Position Title:</b>	Senior Reservoir Engineer	<b>Position Type:</b>	Exempt
<b>Department/Group:</b>	Mauritania Business Unit	<b>Location:</b>	Dallas, TX
<b>Reports To:</b>	Manager, Subsurface	<b>Direct Reports:</b>	0

### Company Description

Kosmos Energy is a well-capitalized, pure play deepwater oil and gas company with growing production, a pipeline of development opportunities, and a balanced exploration portfolio along the Atlantic Margins.

Our key assets include production offshore Ghana, Equatorial Guinea and U.S. Gulf of Mexico, as well as a world-class gas development offshore Mauritania and Senegal. We also maintain a sustainable proven basin exploration program in Equatorial Guinea, Ghana and U.S. Gulf of Mexico. Kosmos is listed on the New York Stock Exchange and London Stock Exchange and is traded under the ticker symbol KOS

As an ethical and transparent company, Kosmos is committed to doing things the right way. The company's Business Principles articulate our commitment to transparency, ethics, human rights, safety, and the environment. Read more about this commitment in our Corporate Responsibility Report. For additional information, visit [www.kosmosenergy.com](http://www.kosmosenergy.com).

### Basic Function

The primary purpose of this position is to support the development of Kosmos' Mauritania/Senegal gas portfolio through the application of reservoir engineering skills, experience, and insights. To achieve this objective, the Senior Reservoir Engineer will expertly design decision-making tools to support gas production start-up operations and reservoir/well optimization strategy. The Senior Reservoir Engineer will develop decision tools to support the gated process leading to FID for Appraisal assets. This position requires technical interaction with external partners (such as operators, NOC's, and host country regulators). This position will additionally provide the primary reservoir engineering support for Kosmos' annual reserves audits.

### Essential Responsibilities and Job Duties

The successful candidate will have a deep understanding of optimizing reservoir performance in a subsea development. They will possess the requisite experience and educational background needed to support the various responsibilities of the position.

The key job responsibilities for this position include:

- Develop and maintain internal short, medium and long-range production forecasts for the Mauritania/Senegal assets
- Support company production forecasting and creation/delivery of work programs and budgets
- Quantitatively and qualitatively evaluate well and reservoir performance and make recommendations regarding ways to improve efficiency
- Identify and communicate risk to production forecasts through clear, well-reasoned and documented reports on a regular basis
- Clearly summarize daily operational performance to management
- Perform detailed analysis of production and pressure data.
- Assist the subsurface team in field development planning and incorporation of field performance / reservoir surveillance



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- Assist in the building an optimized depletion strategy for all assets as required by the business unit
- Participate in development engineering from a grass roots level through to full FDP
- Prepare evaluations of proposed Production Optimization activities from the Operator.
- Assist in the development and maintenance of reserve and resource estimates, supported by deterministic and probabilistic methods.
- Handle other projects, duties and responsibilities as assigned.

### Qualifications and Education Requirements

- Bachelor of Science in Petroleum Engineering; Master's degree in Petroleum Engineering a plus
- Minimum 10 years of industry experience and previous experience in deep-water production and development drilling projects required.
- Ability to evaluate and assess quality of Operator submitted production forecasts
- Ability to develop and maintain Kosmos production forecasts for internal use.
- Significant experience in reservoir management activities including volumetric, risk and resource assessment, as well as pressure transient analysis, decline curve analysis, material balance, nodal analysis.
- Demonstrated expertise in industry standard software packages to evaluate well bore performance and reservoir performance (MBAL, GAP, PROSPER, Eclipse, Petrel etc.)
- Ability to develop Reservoir Engineering decision tools on the Petrel platform is essential
- Ability to prepare reservoir development plans and capital costs forecast.
- Experience with SEC / SPE reserve and resource classification and determination techniques
- Excellent written and oral presentation skills with demonstrated direct past involvement with partner work groups and technical committee meetings

### Attributes

- Strong interpersonal and communication skills.
- Outstanding team skills including the ability to influence the Operator while maintaining a strong, respectful working relationship
- Proven ability to prioritize and multi-task
- Exceptional productivity skills. Can be relied on to get the job done accurately and on time.
- Has little need for close management supervision and direction and is comfortable and effective in an informal operating environment.
- Proven ability to collaborate with team and generate solutions
- Must be an energetic self-starter with a passion for their work. An engaged, "hands on" team player.
- Ability to handle and protect sensitive information in a confidential and professional manner
- Must be able to work with diverse employees, partners and governments from all parts of the world.
- Ability to handle multiple tasks and to coordinate efforts with other departments as required
- Advanced problem solving, time management, and decision-making skills required
- Advanced written and verbal communication skills, with the ability to partner effectively with all levels of staff.

### Travel Requirements

Position requires approximately 10% travel, international



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### Physical Requirements and Working Conditions

Must possess mobility to work in a standard office setting and to use standard office equipment (computer, printer, copier, etc.) stamina to maintain attention to detail despite interruptions, strength to lift and carry files weighing up to 25 pounds; vision to read printed materials and a computer screen, and hearing and speech to communicate in person and over the telephone

All qualified applicants will receive consideration for employment without regard to race, color, sex, sexual orientation, gender identity, religion, national origin, disability, veteran status, age, marital status, pregnancy, genetic information, or other legally protected status.

Reviewed By:		Date:	
Approved By:	Dominic Agyapong	Date:	
Last Updated By:	Dominic Agyapong	Date/Time:	