

Does Vaca Muerta Hold the Key to Argentina's Crude Boom?

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Turjya Saha



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The Vaca Muerta shale formation in Argentina recently captured the attention of the global energy industry due to its immense potential for oil production. With the capability to produce over 1 million barrels per day (bpd) of crude oil by 2030, as projected by independent energy research consultancy firm Rystad Energy, Vaca Muerta holds the key to transforming Argentina's energy landscape.

Let us delve into the significance of this shale formation, the challenges it faces, and the potential it holds for Argentina's ambition of becoming a major player in the global oil market.

Argentina's Energy Imperative

Argentina has long been grappling with challenges related to energy imports, dwindling foreign currency reserves, inflation, and currency pressure. These issues have driven the country's determined pursuit of developing its shale oil and gas resources, particularly the Vaca Muerta formation. By reducing dependence on expensive energy imports, Argentina aims to strengthen its economy, improve its trade balance and establish itself as a significant player in both regional and global oil markets.

Vaca Muerta: A Formidable Shale Formation

The Vaca Muerta shale formation in the Neuquén Basin boasts the world's second-largest shale gas reserves and the fourth-largest shale oil reserves. This vast resource positions Argentina as a promising energy exporter, with plans to export liquefied natural gas ("LNG") in addition to crude oil. While the Argentine state energy company YPF Sociedad Anónima ("YPF") leads the development efforts in Vaca Muerta, major global players such as **ExxonMobil** ([XOM - Free Report](#)) , **Chevron** ([CVX - Free Report](#)) , **Halliburton** ([HAL - Free Report](#)) and others have also invested significantly in the region. We will explore the tremendous potential of Vaca Muerta and look into how these three companies stand to benefit from its development.

ExxonMobil: Leveraging Expertise and Investment for Growth

ExxonMobil, one of the world's largest publicly traded oil and gas companies, is well-positioned to benefit from the development of Vaca Muerta. The company has made significant investments in Argentina, recognizing the immense potential of this shale formation. XOM brings its expertise in unconventional oil and gas extraction techniques and its deep knowledge of global markets to maximize productivity and enhance the economic benefits for both Argentina and the company itself.

With its commitment to long-term growth and strategic partnerships, XOM is primed to play a crucial role in the successful development of Vaca Muerta. XOM reported strong first-quarter earnings, thanks to solid contributions from the Energy Products business line. XOM currently carries a Zacks Rank #3 (Hold).

Chevron: Pioneering Investment and Technological Innovation

Chevron, another major U.S. energy corporation, was one of the early entrants into Vaca Muerta, making substantial investments to tap into the potential of this shale formation. By partnering with Argentina's national oil company, YPF, Chevron has demonstrated its commitment to the long-term development of Vaca Muerta.

CVX has been able to improve operational efficiency and boost output by leveraging its technological expertise and experience in unconventional oil and gas production. As Vaca Muerta progresses toward its ambitious production targets, CVX is well-positioned to benefit from its early-mover advantage and established presence in the region. CVX currently carries a Zacks Rank #3. You can see [**the complete list of today's Zacks #1 Rank \(Strong Buy\) stocks here**](#)

Halliburton: Providing Specialized Services for Success

Halliburton, a leading oilfield services company based in the United States, stands to benefit from the development of Vaca Muerta through its provision of specialized services to the oil and gas industry. As the demand for drilling, completion and production services in Argentina increases, HAL's extensive experience and advanced technologies become increasingly valuable.

The company's expertise in reservoir characterization, hydraulic fracturing, and well construction positions it as a key service provider for companies operating in Vaca Muerta. With its strong track record and commitment to innovation, HAL is poised to leverage the growing opportunities in Argentina's shale sector. Halliburton boasts an average earnings surprise of 7.74%. Seven analysts have raised their fiscal 2023 earnings estimates for HAL in the past 60 days. The Zacks Consensus Estimate has increased by 75 cents to \$3.13 per share. HAL currently carries a Zacks Rank #3.

The Promise of Increased Production

Rystad Energy's report projects a nearly fourfold increase in production from the current level of approximately 291,000 bpd to more than 1 million bpd by 2030 if certain challenges are overcome. This surge in production would position Vaca Muerta as a formidable rival to renowned U.S. shale oil projects like Bakken and Eagle Ford. However, the achievement of this projection is subject to the removal of critical bottlenecks in transportation capacity and the resolution of other key uncertainties.

The Challenges Ahead

While Vaca Muerta holds promise, several challenges must be tackled to ensure its long-term growth and success. The primary concerns identified by Rystad Energy include limited pipeline capacity, inadequate export terminal infrastructure and the availability of drilling rigs.

Increasing Pipeline Capacity

One of the critical challenges facing Vaca Muerta is the need to increase pipeline capacity. Expanding the transportation infrastructure is crucial to efficiently move the extracted oil and gas from the formation to export terminals and domestic markets. Addressing this bottleneck will require substantial investment and collaboration between the government, energy companies and stakeholders in the energy sector.

Enhancing Export Terminal Infrastructure

Along with expanding pipeline capacity, improving export terminal infrastructure is paramount. Enhancements are necessary to facilitate increased overseas shipments of oil and LNG. Upgrading and expanding export terminals will enable Argentina to efficiently deliver its energy products to international markets, enhancing the country's standing as an energy exporter.

The Availability of Drilling Rigs

Another pressing concern highlighted by Rystad Energy's report is the availability of drilling rigs. As Vaca Muerta's production expands, the demand for drilling rigs will increase. Ensuring an adequate supply of rigs is crucial to sustaining growth and meeting ambitious production targets. Collaboration between the government and energy companies is necessary to add rigs and overcome potential bottlenecks.

Capitalizing on Vaca Muerta's Potential

The successful development of Vaca Muerta will reshape Argentina's energy landscape and provide significant economic benefits. By reducing energy imports, Argentina can strengthen its economy, generate employment opportunities and enhance its trade balance. Furthermore, becoming a major player in the global oil market will raise Argentina's geopolitical significance and contribute to energy security in the region.

Conclusion

Argentina's Vaca Muerta shale formation represents a game-changing opportunity for the country's energy industry. With its vast reserves and the potential to produce over 1 million bpd of crude oil by 2030, Vaca Muerta has the power to position Argentina as a significant player in the global oil market. However, overcoming challenges related to transportation capacity, export terminal infrastructure, and the availability of drilling rigs is crucial for realizing this potential. Through collaborative efforts between the government, energy companies and stakeholders, Argentina can unlock the full benefits of Vaca Muerta and achieve its ambitions of energy self-sufficiency and economic prosperity.