

Reserves Evaluations Founded on Integrity, Experience, and Independence

Knowledge

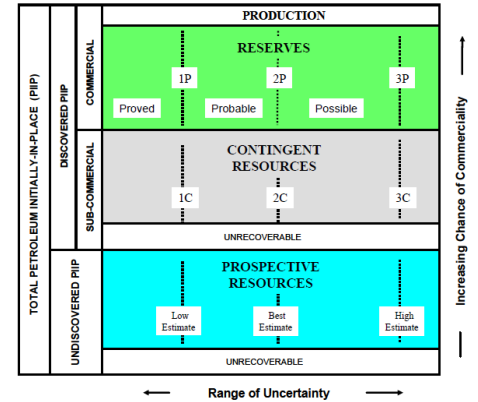
D&M employs more than 150 petroleum engineers, geoscientists, and petroleum economists who average more than 20 years of experience in the industry.

Integrity

Integrity is the cornerstone of D&M, and our reports reflect the firm's commitment to integrity and intellectual honesty. For more than 75 years, the firm has steadfastly guarded its reputation in the industry and financial community for providing realistic, unbiased engineering evaluations and reports.

Service

D&M is organized into four geographic divisions so that project teams develop a thorough understanding of the reserves reporting issues and financial market requirements within each region. D&M's regional structure enables the firm to complete every project rapidly and efficiently.



Since 1936, DeGolyer and MacNaughton has been providing reserves evaluations to independent oil companies, governmental bodies, and financial institutions around the globe. Our services have helped these entities meet reporting requirements, facilitate sales and acquisitions, and communicate clearly about the value of their assets.

A Legacy Built on Reserves Consulting

One of the primary reasons DeGolyer and MacNaughton (D&M) was formed was to support banks and oil producers with the process of completing reserves assessments. Since its formation, the firm has completed thousands of reserves assessments worldwide, enabling producers to report to investors and regulators. This experience has helped buyers and sellers accurately project the worth of assets, enabling companies to develop capitalization and financing strategies. Because D&M has proven to be a reliable resource, many clients have used D&M for decades for reserves consultation.



D&M offers assistance with the following activities:

- Estimation of oil, condensate, gas, and natural gas liquids reserves
- Undeveloped reserves estimation and classification

- Development planning assistance and expertise in both undeveloped and underdeveloped fields
- Appraisals
 - Net cash flow
 - Fair market valuations
 - Production sharing contracts
 - Estate valuations
 - Profit-sharing trust valuations
- Stock exchange registrations and filings
 - Securities and Exchange Commission
 - London Stock Exchange
 - Australian Stock Exchange
 - Brazilian Exchange
 - Stock Exchange of Hong Kong
 - Canadian Provincial Securities
 - Indonesian Exchange
 - European Exchanges
- Initial public offering and Competent Person's Reports
- Reserves audit evaluations
- Gas certifications and deliverability studies
- Unitization studies
- Expert witness testimonies
- Mergers and acquisitions
- Divestitures
- Joint ventures
- Ad valorem, income, estate, and probate taxes
- Data room representation
- Technical data preparation, gathering, and interpretation
- Equity redeterminations



Support

A typical D&M project team consists of a project leader who has 20+ years of experience in the industry, along with 2 to 10 other project team members. The project leader organizes the work and serves as a consistent point of contact for clients.

Advanced Technology

D&M has made significant investments in computing resources and software development in order to meet the demands of its clients.

Solutions

In addition to supporting clients with reserves reporting, D&M also offers seminars to educate clients on various aspects of reserves and resources evaluations.



Worldwide Evaluation of Reserves for the Conoco IPO

In October 1998, Dupont announced that it would divest its upstream energy subsidiary, Conoco. This resulted in the largest initial public offering to that time in history and raised \$4.4 billion (USD) for Dupont. D&M is proud to have been part of this momentous event. As part of the process to register shares for sale, an independent review of Conoco's reserves was required. D&M, with its global experience, evaluated Conoco's worldwide reserves within the required timeframe, allowing the project to be completed on time.

D&M is Relevant, Respected, Reliable, Responsive, and Ready to solve your problems.

Evaluation of Reserves for the World's Largest Energy Company

In recent years, sweeping changes have occurred in the Russian Government and economy, an economy that relies heavily on the oil and gas industry. Many Russian oil and gas companies have turned to D&M to provide independent appraisals of their reserves and to assist them with major business initiatives, such as stock listings. Several Russian petroleum companies rely on D&M for annual appraisals of their Russian and international properties. In fact, the largest energy company in the world engages D&M staff in Moscow and Dallas for annual projects involving hundreds of fields.

Reserves Evaluation and Appraisal for Chinese National Oil Company

D&M has performed reserves and valuation studies for more than 400 oil and gas fields in China for the largest Chinese Government oil and gas company. These massive studies include virtually every productive petroleum basin in China and were used for the initial SEC filing for one of the world's largest oil and gas companies. The firm continues to perform annual updates of all these reserves.

Measuring Saudi Arabia's Reserves

Over a period of 30 months, from August 2016 to January 2019, D&M worked to complete the first-ever independent evaluation of proved reserves for the Kingdom of Saudi Arabia. A D&M team of 60 professionals evaluated raw data from some of the largest and most prolific reservoirs in the world to estimate the proved reserves. The consensus opinion of the parties involved was that D&M was uniquely qualified for this undertaking due to its accumulated expertise in country-wide evaluations and the number of experienced and highly-skilled professionals it could deploy.

SERVICES AVAILABLE

- Estimation of oil, condensate, gas, and natural gas liquids reserves
- Undeveloped reserves estimates and classification
- Development planning assistance and expertise in both undeveloped and underdeveloped fields
- Appraisals
- Stock exchange registrations and filings
- Initial public offering and Competent Person's Reports



Worldwide Petroleum Consulting

5001 Spring Valley Road
Suite 800E
Dallas, Texas 75244
214/368-6391
www.demac.com
demacweb@demac.com