

How Good Geological Exploration Affects the Business Bottom Line, in Conventionals and Unconventional

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Abstract

Exploration plays can have significant impact to the overall business by adding new reserves to a company's bottom line. The process of Exploration involves many aspects of geological and geophysical analysis and interpretation. It is generally a high-risk venture and requires evaluation of the typical risks associated with both conventional and unconventional plays. Using examples from the Haynesville and Bossier Shales and deep water GOM Wilcox, this talk will discuss common risk factors and the use of geological and seismic data, with sequence stratigraphy and environments of deposition to mitigate structural, charge, and reservoir risks in both conventional and unconventional plays. With good geologic work, some luck and a persistent exploration drilling program, new discoveries can add significant resources without a huge capital outlay for proven and probable reserve acquisitions.

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