

Legacy Well Innovations and Opportunities: Residual Oil Zones of the Williston Basin

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Abstract

In recent years Cobra Oil & Gas Corp. has identified the Madison Formation of the Williston Basin as a residual oil zone (ROZ). Through recompletion and production techniques, Cobra Oil & Gas Corp. has significantly increased production of legacy wells by understanding the reservoir mechanics of the Madison's residual oil zone potential. Adequate rock data, petrophysical data, production data & empirical trials prove the Madison residual oil zone potential is applicable to a geographically large portion of the Williston Basin.