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## A Re-Evaluation of the Northern A.W.P. Field, McMullen County, Texas

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### ABSTRACT

The A.W.P. is a prolific field that has produced from the Cretaceous Olmos Sandstone since its discovery in 1975. This study focuses on the northern part of the A.W.P. Field, located in McMullen County, Texas. This part of the field was believed to be near the end of its productive life; however, recent activity has produced significant hydrocarbons, prompting a re-evaluation of the potential of the A.W.P. Field. We present the results of a subsurface investigation of two formations within the A.W.P. Field: the Cretaceous Olmos and Paleogene Wilcox-Wales formations. Using well-log correlation, seismic analysis, and production data, we present a complete re-evaluation of the A.W.P. Field. The results of this study show that within the A.W.P. Field the reservoirs thin out in the updip direction (toward the northwest), but maintain a significant thickness, which suggest that the field still has potential for growth. Volumetric analysis reveals that there is remaining resource potential in both the Olmos and Wales formations. In particular, the Wales Formation remains mostly untapped. With recent improvement in unconventional and horizontal drilling and recovery, there is still potential for field growth in the A.W.P. Field.

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