## THE HISTORY, DEVELOPMENT, AND REGIONAL SIGNIFICANCE OF RUSTON FIELD

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## ABSTRACT

The Ruston Gas Field lies just north of Ruston, Lincoln Parish, Louisiana, 70 miles east of Shreveport, Louisiana. The Field covers a surface area of 64.5 sections or approximately 41,280 acres. It lies within a trend containing many Lower Cretaceous and Upper Jurassic gas reservoirs on the north flank of the Gulf Coast geosyncline, along the north flank of the North Louisiana Salt Dome Basin.

Within this belt of production, several prolific Cotton Valley strand-line plays exist at Ruston along with many different Hosston pays. There are more than 40 zones producing natural gas and oil from seven formations in the field. Several of the sands are totally structurally-controlled but many have a minor to major stratigraphic trapping component. Ultimate recovery from the field is estimated to be 1,600,000 bbls to oil, 1,730,000 bbls of condensate and 614 billion cubic feet of gas.

The most prolific reservoir is the strand-line Cotton Valley "D" sand averaging over 12 BCF per well and a total of over 195 BCF and more than 600,000 BC. The best well in the field is the Arkansas Louisiana Gas #2 Dowling in Section 30, T19N-R2W which has produced 22 BCF and 110,000 BC.

The Upper, Middle, and Lower Hosston produce at Ruston. The Lower Hosston produces from approximately 14 fields in North Louisiana and from 11 wells in the field. The Middle Hosston produces from approximately 28 fields in the basin and has made over 46 BCF from six sands. The Upper Hosston is regionally the most extensive in North Louisiana producing from approximately 41 fields. At Ruston it has produced over 15 BCF from seven sands.