

This paper has been prepared principally to familiarize geologists from other areas with what has transpired within the recent past and what might reasonably be expected for the future with extended exploratory effort in the Cotton Valley sandstone reservoirs in Northeast Louisiana.

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A CONTRIBUTION TO ELECTRICAL
LOGGING INTERPRETATION
OF SHALY SANDS

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ABSTRACT

Simple qualitative methods are explained for identifying those shaly sands in a well that are most likely to contain oil. A need for more precise measurement of the variables that enter shaly sand analysis is indicated. Field examples are given to illustrate the methods.

A theoretical discussion of the quantitative interpretation of shaly sands is given as a basis for discussion and as a guide for the future. While not generally capable of practical application at the present time because of the lack of sufficient accuracy of the electric log data, these methods may become more feasible in the future as a result of the improved logging methods now being introduced.

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