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## **Block 9 Block Overview**

### **REGIONAL GEOLOGY**

Block 9 is in shallow water offshore the Benguela Basin in water depths between 50 to 1000 meters. The block aerial size is 4000 sq.km. Previous exploration efforts were concentrated in less than 200m WD. Characteristic Upper Plate features such as narrow & steep basement and lack of multiple set of half-grabens is noted within the block although a well defined half-graben is seen all along the basement hinge in the center of the block. In addition, an outer half-graben is noted to the west of the central graben. Pre and Post salt reservoirs associated with the hinge half-graben were the key targets in previous exploration. The Paleo shelf-edge in Albian to Aptian is considered to be the locus for Carbonate shoals that show significant structuration. A salt mini-basin on the west portion of the block is noted for Tertiary reservoirs. It is located within the mature Albian source province. Lacustrine Presalt source is proven in the half-graben of the block. The west portion of the block located in deepwater requires a new exploration effort to find the hydrocarbon plays.