

## ABSTRACT

**A Comparative review of the use of Polycrystalline Diamond Compact Bits and Milled Tooth Bits in the Barrackpore Field.**

### Keywords

**Shales, Drilling, PDC bits, Milled tooth bits**

**Ken Adrian Raymond Marshall**

The review seeks to compare the use of polycrystalline diamond compact bits as opposed to the milled tooth bits in drilling oilwells in the Barrackpore field.

Cost per foot and specific energy methods were used as the basis for the comparison. The polycrystalline diamond compact bits outperformed the milled tooth bits in drilling the wells covered in the study.

As a consequence, the polycrystalline diamond compact bits should be employed extensively for drilling the soft gumbo shales in Barrackpore field.