## 3 Impressive Runs for $8.375^{\text {" Fusion }}{ }^{\text {tm }}$ bits in the Deep Well Section, Oman

## APPLICATION

Onshore- 8.375 " Vertical Section, BHA - PDM Highly Abrasive Sandstone with \% Chert \& Pyrite, interbedded hard Carbonate and Shale formation.

## CUSTOMER CHALLENGE

The formation of 8.375 ' sections are characterized with high rock strength values. Customer aims to drill through the challenging formation to achieve the best possible ROP, maximizing durability and performance. $8.375^{\prime \prime}$ Fusion $+^{\text {TM }}$ bits are used to drill this section resulting with impressive runs as compared with the offsets.

## VAREL SOLUTION

VAREL proposes 8.375 " Fusion ${ }^{\text {TM }}$ bits with 8 bladed and 13 mm Venom ${ }^{\text {TM }}$ Premium Cutters, with 4 blades to center design which helps to give more diamond coverage in the cone area for better protection. 3 of the same bits are run in the same field within 2 different wells and outperformed all the competitors' bits.

## CUSTOMER VALUE

- $1^{\text {st }}$ Bit Run, the bit achieved the longest interval of 228 m with fastest ROP of $1.13 \mathrm{~m} / \mathrm{h}$ drilling into Formation A \& Top of Formation B.
- $2^{\text {nd }}$ Bit Run - achieved the longest meterage of 129 m drilling into Formation A as compared to other offset runs in the field.
- 3rd Bit Run - achieved the longest interval drilled of 344 m with fastest ROP in the field of $3.2 \mathrm{~m} / \mathrm{hr}$ drilling into bottom section of Formation $B$ straight into Formation $C$ till TD.

TECHNOLOGY
Fusion+ ${ }^{\text {TM }} 813$
Venom ${ }^{\text {TM }}$ Cutters Technology
LOCATION
Oman
Onshore



