

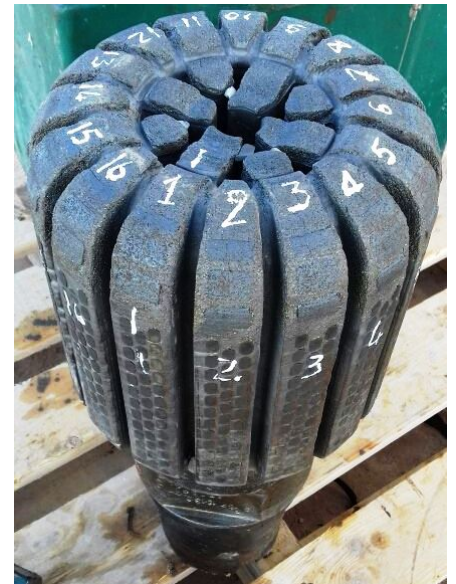
# Fusion® Drills Omani Field's Longest Impreg Run

## 8-3/8" F1613G, Northern Oman

**CHALLENGE:** To drill out through the casing shoe and continue into formation drilling as far as possible. At a depth in of 4000+m, this section typically requires between three and five bits to complete the section causing costly trips for the operator.

**SOLUTION:** In this challenging application, the Varel team recommended using an 8-3/8" F1613G Fusion impregnated bit. Fusion bits drill faster and last longer through hard and abrasive formations thanks to the specially shaped HIP segments tailored to the application and formation. Varel's strict diamond selection process ensures each area of the bit utilizes diamonds of similar size and quantity. The diamonds are then pelletized to eliminate aggregation and low concentration areas resulting in even distribution of diamond throughout the bit.

**RESULTS:** Varel's Fusion bit successfully drilled the shoe and the Gharif formation all the way into the Ghudun formation in just one run. With a total of 588.2 m (1929 ft) drilled at an average ROP of 1.97 m/hr (6.46 ft/hr) this bit replaced two to four bits over offset wells. This run represents the field's longest run (beating a previous Varel impreg run) with an impregnated drill bit and has demonstrated the consistent performance provided by Varel's Fusion series. All offset wells shown below are 8-3/8" impreg bits.



The dull grade after drilling 588.2 meters was reported as 7-7-WT-A-X-0-NO-PR.

