

Fusion® Drills 46% Farther Than Previous Runs

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 8-3/8" F1613G Fusion bit now holds the top three records for single run footage of an 8-3/8" impreg in this Northern Omani field. The latest run drilled 859m (2818 ft), a 46% improvement on Fusion's second place footage and a 223% increase from the average offset. Drilling at 2.15 m/hr (7 ft/hr), this run saved the operator eight days from the planned schedule including two trips and two bit changes.



The dull grade after drilling 859 meters was reported as 6-6-WT-A-X-0-NO-CP.

46% Improvement in Meterage Drilled

8 Days Saved From Schedule

16.3% ROP Improvement from Offsets

