



#### BIT FEATURES

**Steel Body** for high ROP with high blade stand-off.

**PDC Cutters** selected to match drilling conditions.

**TCI Studs** provide depth of cut limitation for consistent WOB distribution & torque management.

**Asymmetrical Blade** mitigates vibrations.

**Junk Slots Profile and Face Volume** optimized to deliver maximum cuttings evacuation & hole cleaning.

**Nozzle Placements** are optimized to provide maximum cutter cleaning and cooling.

**Material Selection** is done meticulously ensuring product survives extreme service without failure.

Drill Date: 14 July, 2019

**WELL** Directional well in the **A3 (PCSB)**, Anjung AJJT field located in Offshore Sarawak, Malaysia.

**WELL OBJECTIVE** The objective of the well was to directional drill the hole from 1687 to 1984m using a 12-1/4" PDC bit.

**DRILLING OBJECTIVE** The hole was tracked and drilled to 1984m at 12-1/4" diameter to run and set the casing.

**BOTTOM HOLE ASSEMBLY** The PDC OMNI-Bits SP519 was run with a Power Drive PD900 (with float valve + near bit stabilizer) in tandem with the OMNI-Bits SP519.

**PERFORMANCE** The OMNI-Bits SP519 was a rerun from the A1 well and drilled **297 meters** (1687-1984m) to 12-1/4" at **52.67 degree** inclination at a **32.32 m/hr** ROP in one run.

**DULL CONDITION** The final dull condition was **1-1-WT-A-X-I-CT-BHA**. The OMNI-Bits SP519 was in a repairable & rerunnable condition.

● **SUCCESSFULLY** drilled the hole while maintaining a high degree of stability during running in hole thus reducing any BHA failure possibilities.

● **MINIMAL** damage to the bit after a rerun from previous A1 well. The OMNI-Bits SP519 only experienced an additional chipped tooth damage.

