PRIMEHORIZONTAL

ParaTrack Gyro Module Case Study

PGNiG Gazoprojekt Intersect with a Gyro Module

Intersect Gyro Module and ParaTrack 2, ABIA and PMR

Poland
Distance: 1808 m (5,930')
Depth: 53 mm (173")
Product Pipe: Steel, DN500
Entry / Exit Angle: 11° / 11°
Tracking used: Gyro Module & ParaTrack 2, Pressure Whilst Drilling, ABIA (At Bit Inclination Assembly) and PMR (Passive Magnetic Ranging)
Technique used: Intersect project witha Gyro Module using Jetting and Mud-Motor

2 rigs were mobilized: 400Ton rig on entry side and a 100Ton rig on exit side, 1300m from entry side was drilled and 508 meters from exit side, monitoring Pressure Whilst Drilling and utilizing the At Bit Inclination sub on the mud motors. The Gyro Mmodule brought the 2 drill strings accurately to the prearranged Intersect ranging zone. To ensure a smooth transition, avoiding Dog legs, from one side it the other a Passive Magnetic Ranging method was used to complete the intersect.
Push force when the mud-motor arrived on exit was only 15 Ton and whilst rotation the drill string it dropped to 5-8 Ton.

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