

# INTEGRATED DRILLING AND COMPLETION TECHNOLOGY FOR SIDETRACK DRILLING WELL

Anton has successfully applied integrated windowing and sidetracking drilling technology for 100+ wells with 5-1/2", 7" and 9-5/8" casing in Xinjiang, Daqing, Yanchang, Kazakhstan – Kara-Arna oilfields, which has increased production by 3 to 7 times and provides a good solution for enhancing oil and gas recovery to low efficiency block, long - stop well and low efficiency well.

## Technical Features:

- Successfully applied windowing and sidetracking technology for 5-1/2", 7" and 9-5/8" casing, which helps oil recovery for old wells.
- Resume production capacity in the old wells.
- Improve reservoir potential, reduce development costs, and increase economic efficiency.
- Reduce land occupancy and damage to the environment.



## Service Scope:

- Borehole trajectory re-log technology in cased well
- Oriented setting for whipstock by gyro
- Casing forging/milling window opening technology
- Directional drilling for horizontal slim hole sidetracking
- Windowing and sidetracking for short radius horizontal well
- Managed pressure and lateral drilling technology for directional well

## Service Performance:

- The drilling time of Su14-18-41CH well is 35.46 days, 13 days ahead of drilling design, with horizontal section of 800m, which is the longest horizontal section of sidetrack well in Sulige oilfield. The production is 15×104m³ per day right now, compared to previous 2000m³.
- The drilling time of Su6-3-4CH well is 34.46 days, 14 days ahead of drilling design. The production is 25×104m³ per day right now, compared to previous 1000m³, which obtains better reconstruction effect, and highly recognized by client.
- Successfully completing windowing and sidetracking drilling services for 454X, 438X, 79SX Well at Kazakhstan – Kara-Arna oilfield, which increase production by 4 to 6 times.

