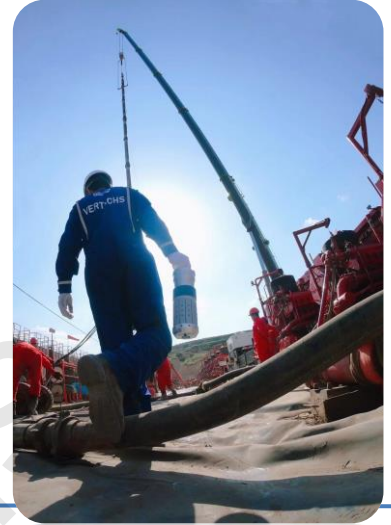


Case History – VERTECHS FALCON Ultralight Fast-Drill Frac Seat

Fast mill out improving wellbore cleaning efficiency reducing overall completion time

An operator in Northwest China was seeking for alternatives solution to improve mill-out run efficiency and cutting removal. FALCON Ultralight Fast-Drill Frac Seats from VERTECHS was the perfect choice. 18 FALCON were successfully deployed. After frac operation, VERTECHS FALCON Remover was used for mill-out run, the average milling time was 8 mins per plug. In addition, the light weighted, fine cuttings were circulated out of the well quickly and easily, eliminating the risk of wellbore clogs caused by cuttings and reducing overall completion time.



BACKGROUND

Well No.	Plug Size (in)	Casing	BHT (Deg F)	Max Treating Pressure (psi)	Stage Count
SH-XX	4.37	5.5, 17#, P-110	104-140	10,000	19

BENEFITS & RESULTS

- Compact design with large ID, ultralight plug body with ZERO cast iron parts, easier to pump down
- Proven robustness of FALCON frac seat was demonstrated with a 10K psi pressure rating
- Met the requirement of accelerating mill-out time by average 8 mins per plug
- Light weighted and fine cuttings were circulated out of the well quickly and easily, eliminating the risk of wellbore clogs caused cuttings

