

油田服务

OILFIELD SERVICES

连续油管作业服务 CT SERVICES

服务工艺包括：

- 1、连续油管洗井解堵；
- 2、连续油管氮气负压返排；
- 3、连续油管拖动酸化；
- 4、连续油管打捞；
- 5、连续油管压裂；
- 6、连续油管测井；
- 7、连续油管水力喷射径向钻井；
- 8、速度管柱。

Field Service Process Techniques including:

1. CT sand washing and flushing;
2. CT nitrogen negative pressure flowback;
3. CT dragging acidification ;
4. CT fishing ;
5. CT fracturing;
6. CT logging;
7. CT hydraulic jet radial drilling;
8. Velocity string.

典型案例：

- 1、2010年9月，中石化重点井永1-平1井，应用1.75"连续油管冲洗深度达5780m，成功解除了生产管柱内的阻塞，连续油管作业后直接自喷投产。
- 2、2011年9月应用高原连续油管国内独有的电缆传入工艺，将电缆传入连续油管，实施塔里木油田高压水平井测试，井深达到5600米。
- 3、2011年10月，长庆苏里格气田，使用2"连续油管对苏5-15-17H，苏5-15-27H两口井进行加砂压裂施工，连续油管下入深度达4300m。水平井段达1030m，压裂段数为6段。
- 4、2012年对胜利地区非常规井义109-斜4、义104-斜12、义104-1HF、樊162-平3井进行了多层段拖动压裂施工，施工后每口井日产液达到20m³。
- 5、2013.5-6对壳牌中国勘探与生产有限公司长北区块的YU27-11、CB2-2、CB5-3井进行了速度管柱安装施工作业，施工后采气量增长一倍。

Typical case:

1. In September 2010, Sinopec exploration wells Yong1- Ping 1 well, flushed with 1.75 "CT , depth up to 5780 m (18963ft) , successfully resolved blocking of the production string, realizing continuous flowing directly after service.
2. In September 2011, in Tarim Oilfield, Highland applies domestic unique technology to install thread cables into the CT to perform HP horizontal wells test, well depth up to 5600m (18373ft) .
3. In October 2011, in Changqing Sulige gas field, using 2 "CT to perform sand fracturing for Sue 5-15-17 H and Sue 5-15-27 H, with running depth of 4300 m (14104ft) , horizontal section 1030 m (3378ft) and fracturing segments 6.
4. In 2012 in Shengli, CT performs multilayer drag fracturing operation for unconventional well Yi 109 - X 4, Yi104-X12, Yi104-1 HF and Fan 162-H 3, daily fluid of each well up to 20 cubic after service.
5. On May 6, 2013, in Changbei Block of Shell China Exploration and Production co., LTD., YU27-11, CB2-2 and CB5-3 well were installed velocity string, gas doubles after service.