

**ANTON 安東**

A banner with a dark blue background featuring a silhouette of an oil rig in a desert landscape. A solid red vertical bar is on the left side.

**Oil Production Operation service**

**东方智慧 全球分享**  
Oriental wisdom , Global sharing

Anton has been engaged in Workover services since 2008. We are able to provide workover, workover & completion tools, workover fluid, program designing and integrated services. There are 26 qualified workover crews authorized by CNPC and 5 international teams.

We owned kinds of Workover rigs and auxiliary equipment to carry out workover integrated services in Tuha, Tarim, Jilin oilfields in China and Iraq, Ethiopia, Pakistan, Chad in overseas area.

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### Services types

- ◆ **Workover services**
- ◆ **Workover & Completion Tools services**
- ◆ **Workover Fluid and Technical Services**

## Scope of services

### Workover services

#### ◆ Workover & Completion services

Category		Scope	Pattern
Workover and Completion service	Overhaul	Fishing, complex milling, casing repair, wellbore deepening and other complex operations.	Equipment + Service
	Workover	Maintenance job of oil & gas and water well , pump change, fishing, conversion to water injection, plugging, sand control, paraffin treatment, cleaning up and etc.	Equipment + Service
	Sidetracking	Window opening, forging & milling, wellbore deepening and etc.	Equipment + Service

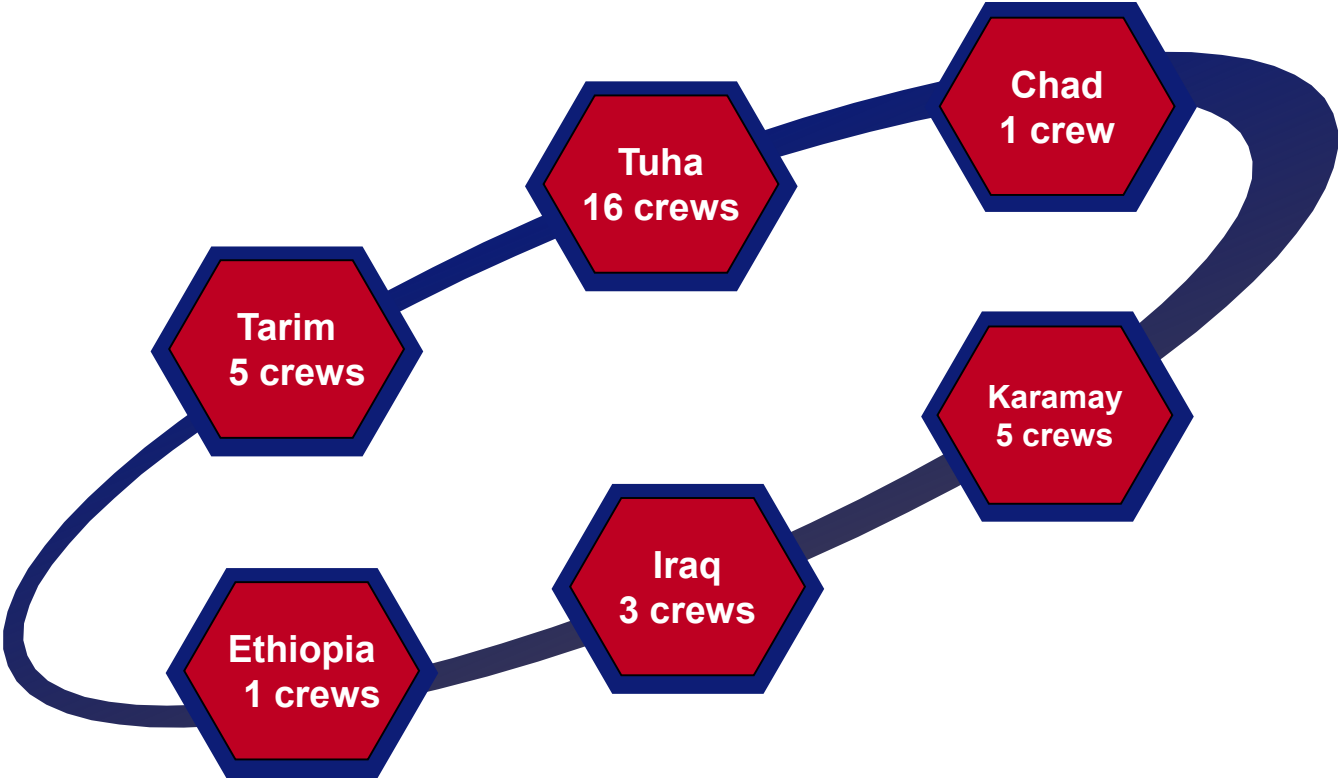
**Scope of services**

**◆ Specialized technical services**

Category		Scope	Pattern
Workover and Completion technical service	Workover and Completion program	Workover & Completion strings and BHA design, such as fracturing , acidizing, gas lifting string design and water shut-off, plugging , squeezing, milling and other kinds of tools and BHA designs.	Technical
	Complex workover operation Programs	Providing Complex workover operation tools and Programs , such as downhole hydraulic motors , milling tools , fishing tools, bits, milling shoe, milling taper, washover pipe, spear, overshot, WL grab, WL spear.	Technical

**Scope of services**

**◆ Crews Distribution**



### Workover & Completion Tools and Services

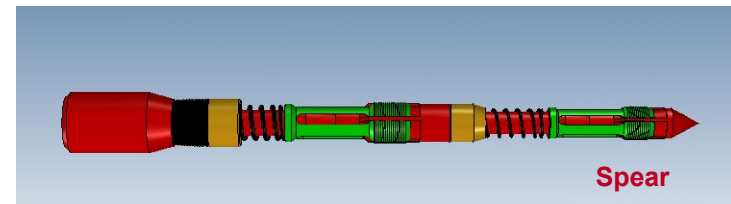
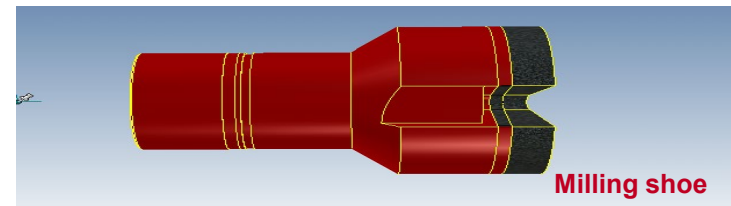
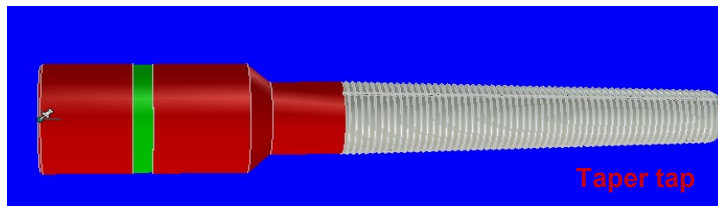
Workover & Completion tools and service involves a wide range of tools and services, We can provide high quality, high efficiency and safe operations for clients.

- ◆ Workover and completion program, strings & BHA and complex downhole operations design.
- ◆ Fishing tools with Kinds of specifications and field technical service.



## Scope of services

- **Milling tools and services:** Providing kinds of downhole hydraulic motors, milling tools and related technical services.
- **Plugging tools and services:** All kinds of specifications.
- **Workover and completion tools with kinds of specifications and field technical services.**



# Scope of services

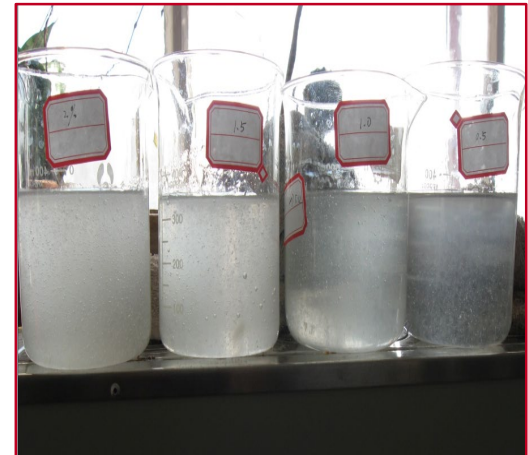
## Scope of services

Category		Scope	Pattern
Workover & completion tools and technical services	Workover & completion tools and strings	Workover and completion string designing, such as fracturing, acidizing, gas lifting string, water shut-off, plugging, squeezing, milling and other kinds of tools and BHA designing.	Products + Service
	Milling tools and services	Downhole operation tools and technical services, such as downhole hydraulic motors, milling tools, fishing tools, bits, milling shoe, milling taper, washover pipe, spear, overshot, etc.	Products + Service
	Fishing tools and services	Fishing tools and services: such as spear, overshot, wireline fishing, rope fishing, junks fishing, bumper jars, fishing magnet, impression, etc.	Products + Service
	Plugging tools and services	Plugging tools and services: such as hydraulic packer, slip packer, tail pipe support packer, self-sealing packer, bridge plug and auxiliary tools, etc.	Products + Service

## Scope of services

### Workover Fluid and Technical Services

**Workover fluid:** Mainly used in workover and completion wells to reduce or avoid contamination of reservoirs as well as to recover, improve or maintain productivity. We have various workover fluid, such as low-density, high-density, casing protection fluid, etc.



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- ◆ 31 sets of XJ350, XJ450, XJ550, XJ750, XJ850 series truck-mounted workover rigs.
- ◆ Possess SNC400, SNC700, F-800, F-1300 series pumps.
- ◆ 200 sets of auxiliary facilities, including circulation system, well control system and life support system.



## Equipment and Capability

### ◆ Truck-mounted equipment

Antonoil possesses advanced truck-mounted tank and duty room system. it makes the mobilization quick-moving and highly efficient, which is leading ahead both domestically and internationally.



truck-mounted duty room



truck-mounted tank

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- ◆ Having global service capability crews are good at management, technology.



Tarim



Iraq



Ethiopia



### Workover service team

- ◆ 31 downhole operation service crews, including 5 overseas.
- ◆ 16 senior engineers.
- ◆ 93 professionals.



## Service teams

### Tools service teams

- ◆ 8 engineers for tool designing.
- ◆ 16 technician for tool processing.
- ◆ 10 engineers to provide on-site technical services.



## Service teams

### Workover & Completion fluid service teams

- ◆ 12 engineers with rich experience in workover and completion fluid field.



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## Qualifications and capacities

### International technical service qualifications



**API** REGISTRATION NO. Q1

### Certificate of Registration

The American Petroleum Institute certifies that the quality management system of **ANTON OILFIELD SERVICES (GROUP) LTD.** Hongqiao Industrial Park, Luntai County Xinjiang Uygur Autonomous Region Kuerle, Xinjing Province People's Republic of China

has been assessed by the American Petroleum Institute and found to be in compliance with the following:

## API Specification

The scope of this registration and the approved quality management system is:

**Manufacture, Repair and Service of Tubing, Drill Pipe and Drilling Equipment for the Oil and Gas Industry**

API approves the organization's justification for excluding Design and Development

Effective Date: February 4, 2017  
Expiration Date: February 4, 2020  
Registered Since: December 6, 2004

**Q1**  
API Spec Q1 Registered

Vice President, API Global Industry Services



**QMS REGISTERED**

### Certificate of Registration

**APIQ® REGISTRATION NUMBER 0453**

This certifies that the quality management system of **ANTON OILFIELD SERVICES (GROUP) LTD.** Hongqiao Industrial Park, Luntai County Xinjiang Uygur Autonomous Region Kuerle, Xinjing Province People's Republic of China

has been assessed by the American Petroleum Institute Quality Registrar and found to be in conformance with the following standard:

## ISO 9001:2015

The scope of this registration and the approved quality management system is:

**Manufacture, Repair and Service of Tubing, Drill Pipe and Drilling Equipment for the Oil and Gas Industry**

APIQ® approves the organization's justification for excluding 7.3 Design and Development

Effective Date: February 4, 2017  
Expiration Date: February 4, 2020  
Registered Since: December 6, 2004



**CPAC**

### 中国石油健康安全环境管理体系认证

注册编号: HSE1600

## 兹证明

**安东石油技术(集团)有限公司**

注册地址: 北京中油健康安全技术服务有限公司 邮编: 100102  
办公地址: 北京中油健康安全技术服务有限公司 邮编: 100102

**建立的健康安全环境管理体系符合标准**

**SY/T6276-2010**

**认证覆盖的范围包括**

石油机械产品的加工制造(封隔器、抽油杆光杆及磨鞋、筛砂筛管、石油专用管材(漏失物筛管); 油田技术服务(油田技术开发、钻井工程技术服务、定向井技术服务、测井技术服务、井下作业技术服务、连续油管作业技术服务、气举射孔技术服务、洗井技术服务、石油专用器材无损检测技术服务); 钻井工程施工、井下作业工程施工。

**覆盖的子认证证书场所**

新疆德发石油工程建设有限责任公司、北京海能海特石油科技发展有限公司、北京安永石油机械技术有限公司、安东通奥科技股份有限公司、新疆通奥油田技术服务有限公司

北京中油健康安全技术认证中心  
北京市昌平区科技园区超前路93号楼B22室  
初次颁证日期: 2008年03月22日  
换证日期: 2019年01月12日  
有效期至: 2019年07月11日  
经理: 孙志



**ROYALCERT**

# CERTIFICATE

Royalcert, certifies that the management system of the organization has been assessed and found to be in accordance with the requirements of the related standard

## ISO 9001:2008

**ANTON OILFIELD SERVICES DMCC**

**ADDRESSES: SWISS TOWER, JUMEIRAH LAKE TOWERS, DUBAI**  
**IRAQ HALFAYA OILFIELD OFFICE-KAHALA DISTRICT-MISSAN, IRAQ**  
**IRAQ MISSAN OILFIELD OFFICE- BUT TERMINAL-MISSAN, IRAQ**

Scope

Onshore and Offshore oil & Gas Field services, Well Drilling & Oil & Natural Gas Development Abroad, Repairing Oil & Natural Gas Well Equipment Abroad, Oilfield & Natural Gas Equipment & Spare Parts Trading, Measuring & Control Systems Trading, Heavy equipment & Machinery Spare parts trading, Well Drilling Equipment Trading, Pumps, Engines, Valves & Spare Parts trading, Inspection, Testing Equipment & Devices Trading, Lubricants & Grease Trading, Oilfield Chemicals & Petrochemicals Trading

Certification No : 03119/ANTO9D  
Initial Certification Date : 12.08.2016  
Issue Date : 12.08.2016  
Expiration Date : 11.08.2017

Certification Manager  
Martin Stamm

**IAF** **DAKKS**  
Deutsche Akkreditierungsstelle  
D-70439 Stuttgart

## Domestical technical service qualifications





## Qualifications and capacities

### standards and systems

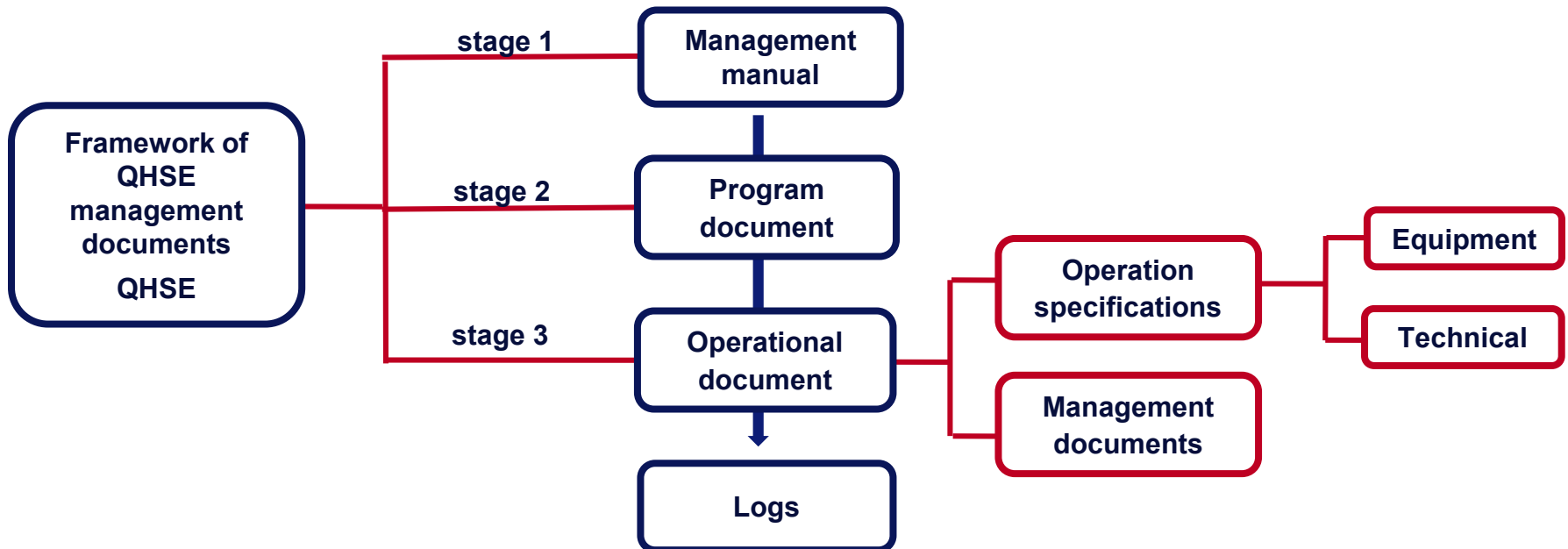
In terms of management, technology, operation and other aspects, Antonoil strictly abide by the international quality and technical standards.



## Qualifications and capacities









### Management Systems

Based on international standards and systems, Antonoil establishes 47 management documents and 256 operation procedures to make a scientific control in organization, staff training, safety, process control, equipment management, quality control, etc.














## Qualifications and capacities

-  API-5L1-2002(Recommended Practice for Railroad Transportation of Line pipe)
-  API-6A-2004(Well head and Christmas Tree Equipment)
-  API-8C-(Drilling and Production Hoisting Equipment)2012 ( PSL1和PSL2 )
-  API-17G(Completion Workover Risers)
-  API-53(BOP equipment for drilling well)
-  API-510(In-Service Inspection, Rating,Repair, and Alteration)
-  API-PR-7G(Drill Stem Design and Operating Limits)
-  API-RP- 576-2009(Inspection of Pressure-relieving Devices)

## International standards









-  1.QHSE培训管理程序 ( AT-QHSE-P-3-0... 2018/2/24 15:55
-  2.沟通、参与和协商管理程序(AT-QHSE-... 2018/2/24 15:30
-  3.文件控制程序 ( AT-QHSE-P-3-03V0-2... 2018/2/24 15:30
-  4.记录控制程序(AT-QHSE-P-3-04V0-20... 2018/2/24 15:31
-  6 风险管理程序(AT-QHSE-P-5-01V0-20... 2018/2/24 15:32
-  7.作业许可管理程序 ( AT-QHSE-P-5-02... 2018/2/24 11:57
-  8.交通安全管理程序(AT-QHSE-P-5-03V... 2018/2/24 15:32
-  9.QHSE关键岗位人员变更管理程序(AT-... 2018/2/24 15:32
-  10.工艺和设备变更管理程序AT-QHSE-P... 2018/4/28 0:28

## Operational manual

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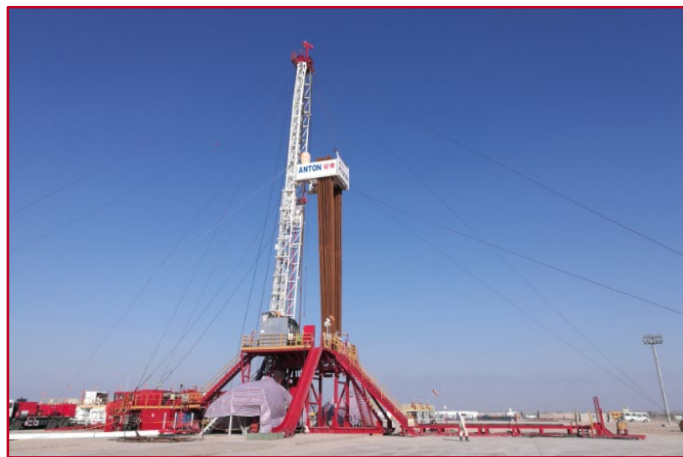
## Management manual

-  《井下作业现场员工各岗位常规操作动作... 2015/5/7 12:24
-  JS7.07-103 修保后工具入库作业规范 2014/11/27 16:20
-  JS7.07-Z03 换装、拆卸各类堵头、压力... 2014/11/27 16:21
-  安装倒换井口、防喷器作业规范 2013/10/18 10:43
-  抽汲作业施工规范608-918 2013/10/18 10:43
-  储油罐计量操作规范3.13 2013/10/18 10:43
-  高温高压滤失仪操作规范621 2013/10/18 10:43
-  更换大绳操作规范506-930 2015/5/7 11:09

## Operation specification

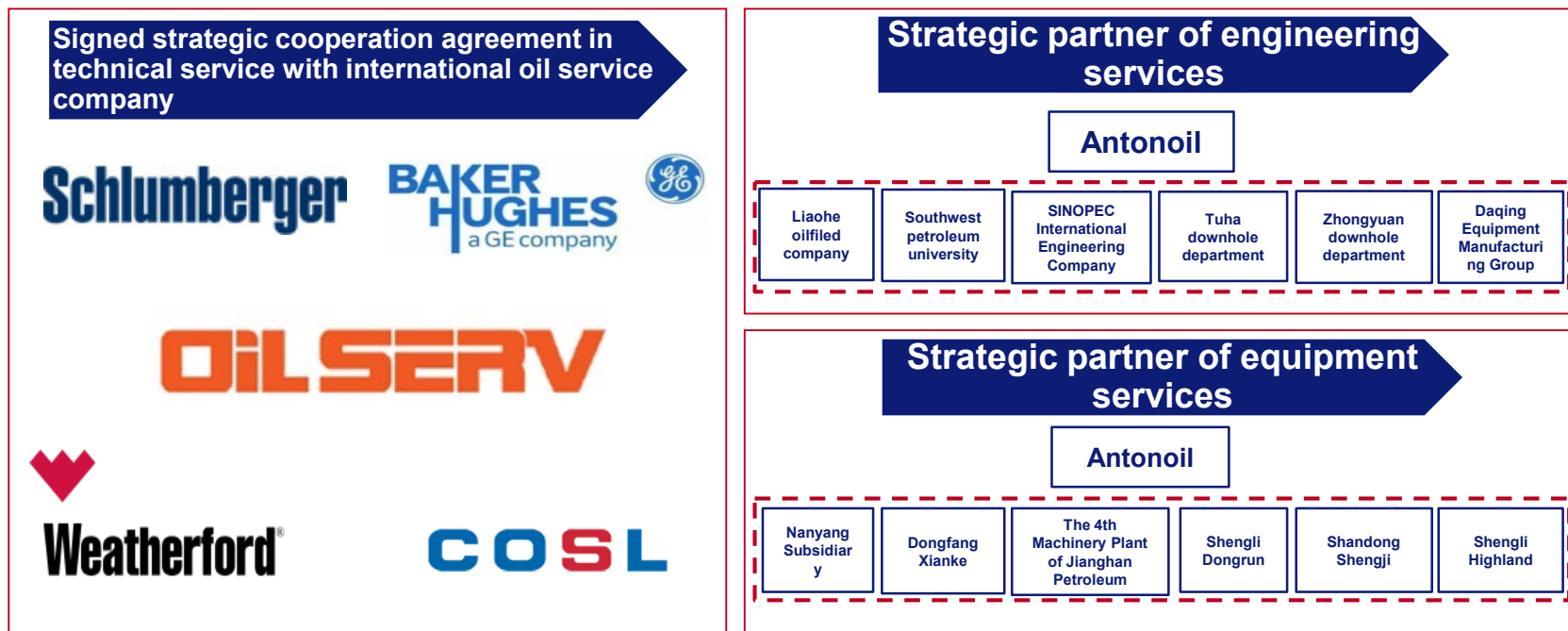
## High-efficiency service capacities

- ◆ Workover operational capacity is up to 800 wells/year.
- ◆ Workover & Completion fluid technical services capacity is up to 600 wells/year.
- ◆ Workover & Completion tools technical services capacity is up to 300 wells/year.
- ◆ High-efficiency resource allocation ability.
- ◆ Able to provide workover and completion integrated services.



## Global resource mobilized ability

Strategic corporation agreement with well-known Engineering service, Equipment manufacturing and oil service companies, we have good international mobilized ability.



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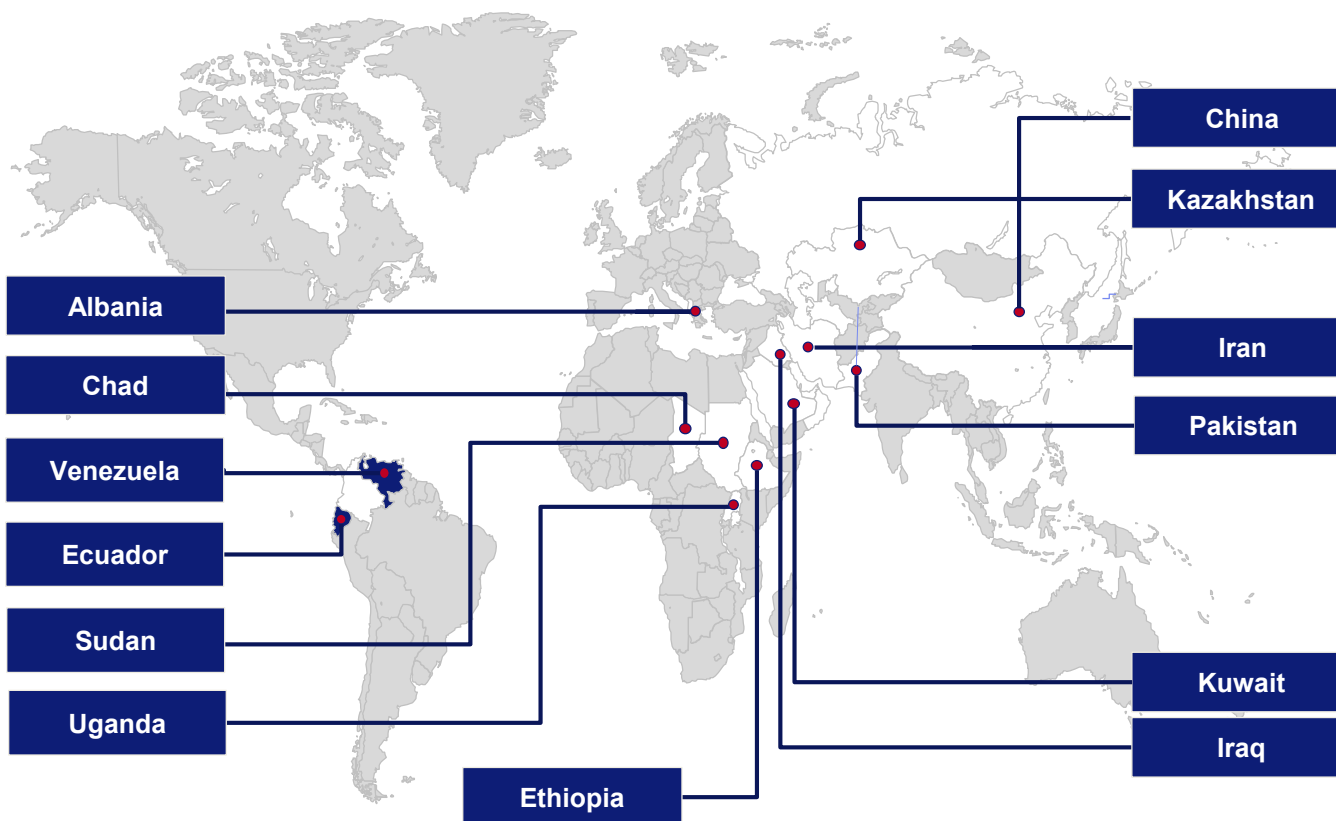
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Performance

Market distributes in China, Iraq, Ethiopia, Venezuela, Ecuador, Pakistan, Albania, Kazakhstan and etc.



We provide Workover & Completion technical services safely and continuous operation more than 3500 days, which has been highly regarded by the clients.

Dear Antonoil West Qurna 2 project management,

I'm, as a representative of W/O and Completion department of Lukoil at Rig #2, I would like to enounce my sincere acknowledgement for the good organization of the Rig Demobilization operation.

Within 2 days, during the period from August 5<sup>th</sup> to 7<sup>th</sup>, the Anton team of Rig#2 demobilized the Rig, rig equipment and Camp from Cluster 8 to Cluster 12. There were 20 trailers, 4 cranes and over 70 workers involved in this operation. Despite the large volume of workload, all the pre-job preparations were planned and prepared properly: prepared all necessary documents: security gate passes, SOC permits for personnel and vehicles, PTWs, the existing problems and possible obstructions was discussed before starting the job and ways found for their mitigation.

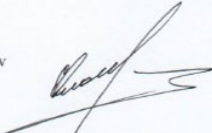
During transportation of equipment, the loading of equipment was properly carried out, controlled safe loading and fixation of the transported equipment, the movement of transports along the roads of the field.

Transportation of oversized equipment was carried out in accordance with the requirements of Lukoil, vehicles's conveying along the traffic route was organized, COSD was properly informed in advance.

As a supervisor of the Workover and Completion department working with team of Rig #2, during six months, I would like to note the increased level of professionalism in planning and organizing this kind of work and thank the team and the management of the company for the work well done.

I hope that the Anton would not stop and satisfy with their current level and keep improving their job performance level in the close future.

Evgenii Alachev  
7 August 2017



Workover supervisor  
Well operations department

To: Whom it may concern,  
Subject: Performance Certificate of Antonoil TK1004 Cleaning and Maintenance Services in Missan Oil Field

Dear Sir:

CNOOC Iraq Limited awards this letter to Antonoil for excellent performance in TK1004 Cleaning and Maintenance Services (Contract No.:CMIT-PRT-10.53-140211-1 ),Main work include Clean, Sand Blasting, Painting, Test, Repaired Leakage bottom board etc. The entire crew worked with high responsibility and diligence, not only completed all the workload successfully, but also reached the goal of "Zero accident, Zero injury, Zero pollution".

Hereby, CNOOC Iraq Limited appreciates the performance of Antonoil for their excellent service ability.

Yours Sincerely,  
  
Zhenghui  
CNOOC Iraq Limited

  
Karin-Jul  
5-2-2017





POLY-GCL Petroleum Group Holdings Limited  
保利協鑫石油天然氣集團控股有限公司

## 表扬信

安东石油技术（集团）有限公司：

贵司埃塞国家公司修井项目部承接施工的我国埃塞修井项目开展以来，在贵司埃塞国家公司领导带领和修井项目部全体成员的共同努力下，积极响应，密切配合我司作业部开展各项施工任务，并取得优良的业绩。

修井项目部全体成员拥有良好的职业素质和职业操守，吃苦耐劳，注重合作，具有高度的工作热情和和活力，充分体现了贵司“帮助别人成功”的企业文化。特别是在近期两口施工井作业中，他们接连克服由于现场雨季造成的施工道路不畅、网络通讯中断等诸多困难，积极主动的进行道路恢复、井场修缮等工作。在项目部吴成的带领下，魏其昌、高贤福、刘斌、张群英等同志团结一致，想方设法的解决问题，为我司排忧解难，确保我司试油、试气施工作业顺利开展，在各承包商中起到了模范带头作用。

在此，我代表埃塞分公司作业部，对贵司及埃塞国家公司给予的大力支持，以及贵司埃塞修井项目部全体成员付出的艰辛努力表示衷心感谢。希望贵司继续保持优良作风及服务理念，在今后的工作中精诚合作，共创辉煌！

保利协鑫石油天然气集团控股有限公司埃塞分公司

作业部总经理：

2018年5月1日

Address: Medhanialem Building, 5<sup>th</sup> Floor, Bole Subcity, Wereda 03, Addis Ababa, Ethiopia Tel.  
+251 11 667 0841/44 Fax: +251 11 667 0866 E-mail: polygclthiopia@pg-petro.com



POLY-GCL Petroleum Group Holdings Limited  
保利協鑫石油天然氣集團控股有限公司

## 保利协鑫石油天然气集团致安东石油技术（集团）有限公司埃塞修井项目部的表扬信

尊敬的安东石油技术（集团）有限公司埃塞修井项目部：

贵队在我司保利协鑫埃塞俄比亚油气项目 Calub-11 井和 Hilala-5 井测试工作中，始终以良好的敬业态度、优良的后勤服务和蓬勃的团队生机，严格执行各项作业指令和技术措施，与第三方密切配合，圆满完成 Calub-11 井 6 层测试、1 层试采和 Hilala-5 井 5 层测试、1 层试采的生产任务，无安全和工程事故，在此提出表扬！

两口井施工过程中，贵队认真执行作业指令，精心操作，保证了井下安全；注重设备维护保养，发现问题及时整改，保持设备稳定运行，为生产提供了可靠的保证；在项目部的支持下，做好生活、生产物资的组织，确保生产连续进行，提高生产效率；在井控方面，保证井控装备运行良好，各项监控措施完善，有力的保障了本井的井控安全。

在此，我司对于贵队的工作成绩给予充分肯定，希望贵队在后续的施工中能够再接再厉，认真执行合同，与各单位积极配合，在繁杂的工作中保持清晰的思路，严格执行作业指令、行业规范标准，圆满完成钻井施工任务！2017 年继续携手并肩、精诚合作，为开创埃塞-吉布提油气项目的美好未来而不懈奋斗！

最后，我谨代表保利协鑫石油天然气集团并以我个人名义向您及贵公司全体员工及家人致以最真挚的节日问候！

衷心祝愿：

新年吉祥如意  
事业兴旺发达  
阖家幸福安康！

于东  
2016年12月

## RECOGNITION LETTER

2017-09-22

West Qurna 2 LMEL Project


Dear Antonoil management, as a representative of LMEL Well operations department at AT-XJ7502 rig, I would like to enounce my sincere acknowledgement for the good organization of WQ2-351 well completion activity and mobilization to WQ2-352 well.

WQ2-351 recompletion job done in front of schedule with a perfect timing in 5.33 days without any NPT or unplanned activity. Preparation for the next WQ2-352 well was also finished in very timely manner without any delays and time wasting.

Please see the list of personnel I would like to mark out for their performance

Li Yanwu	- Rig Manager
Sun Zhiqiang	- Workover Engineer
Yi Weiwei	- Night Engineer
Liang Yan	- Tool Pusher
Li Zhijia	- Tool Pusher
Shi Jiangang	- Mechanic
Da Qinghan	- Driller
We Chao	- Driller
Asif Jahanzaib	- HSE Engineer

I hope that Antonoil would not stop and satisfy with their current level and keep improving their job performance level in the close future. In addition, I hope that their efforts will not be left unappreciated and Antonoil Company will award AT-XJ7502 crew.

Alexander Sorokin  Stimulation & Rigless Engineer, LMEL Well Operation Department



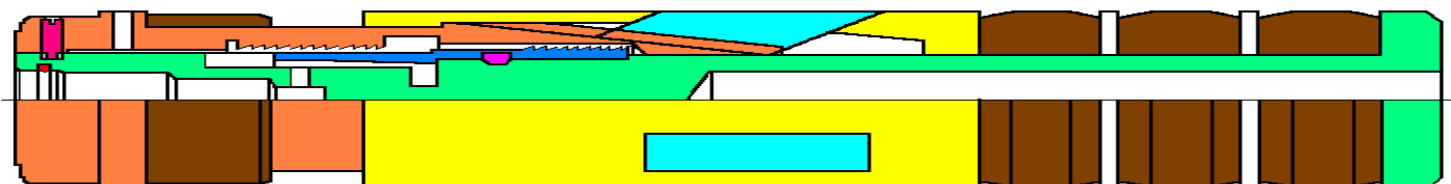


## Workover & Completion technical services

- ◆ Provide Workover & Completion technical services up to 3100 wells.
- ◆ Conduct business in China, Iraq, Ethiopia market with risky turn-key project over 79 old wells.

## Workover & Completion Tools Services

- ◆ Completed over 700 wells.



## Workover Fluid and Technical Service

- ◆ Completed over 600 wells.



**ANTON 安東**

**THANKS!**

Helping others succeed...

[www.antonoil.com](http://www.antonoil.com)