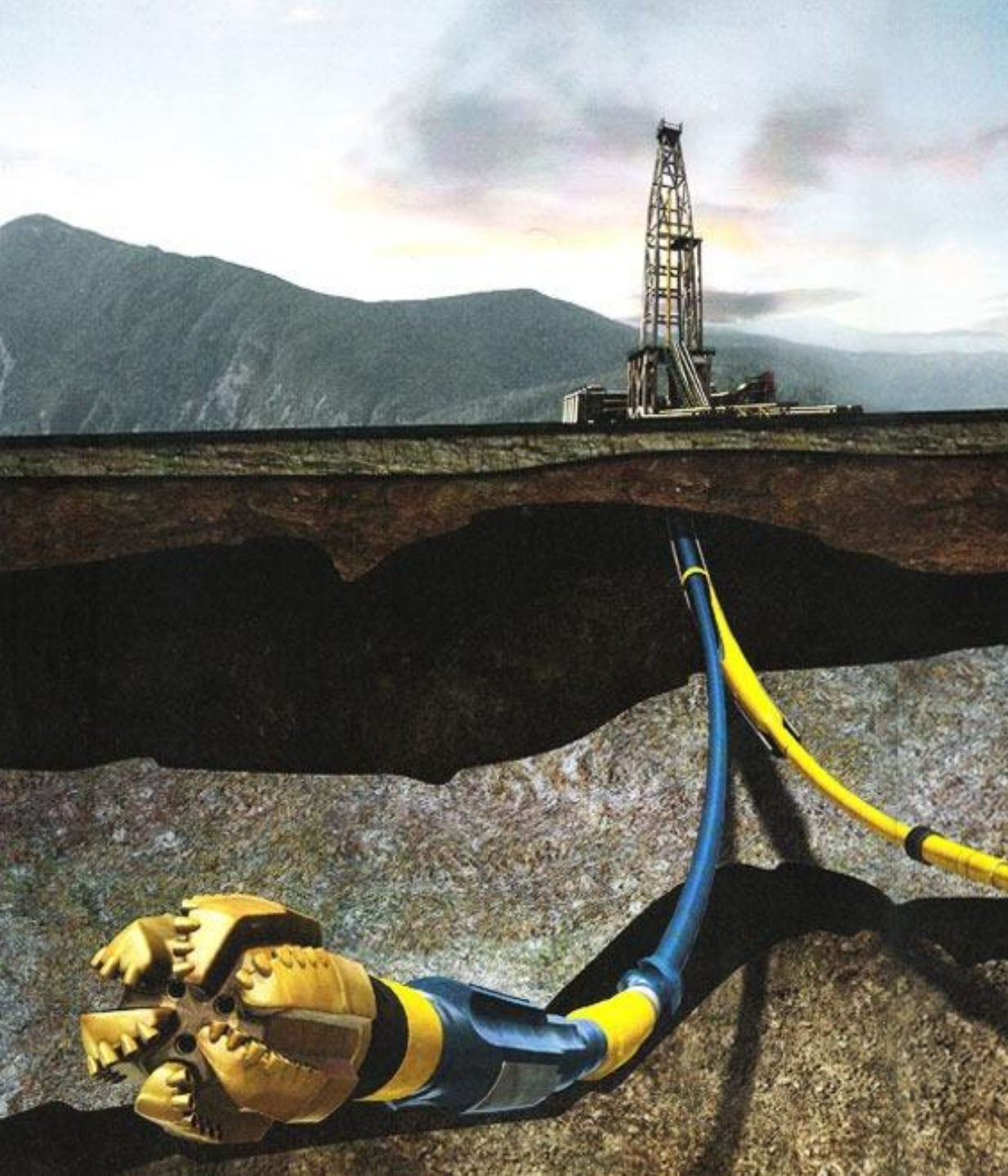


OILTOOLS SERVICES





About Us

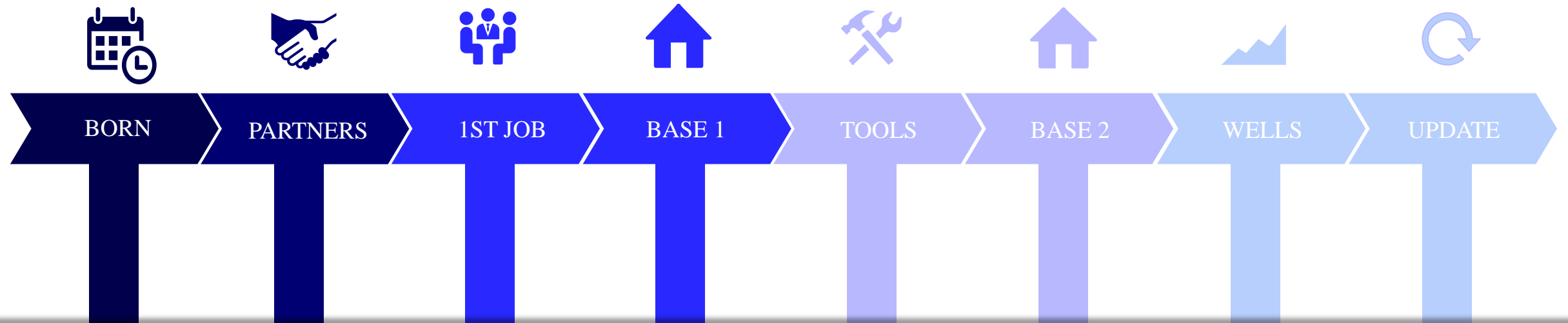
OilTools Services LLP based in Aktobe, Kazakhstan, providing directional drilling services to the Oil & Gas industry.

We currently serve the Kazakhstan market but have the capability to serve customers within CIS market.

Our key field team members have been exposed for some years of horizontal and directional drilling experience and have drilled all over the world while working for big 4 worldwide service players.

We take great pride in being able to optimize our client's drilling strategy, our experience in all kinds of conditions and formations.

Our Company History



2008

OilTools Services LLP
formed

2010

MSA signed with
foreign partners

2011

The 1st directional
job performed
with turbine tools

2012

Completed
construction and
opened “Base 1” for
Drilling Equipment

2013

Workshop increased
with numbers of
drilling tools and
BHA components

2016

Completed
construction and
opened “Base 2”

2019

Drilled more
than 75 deep
wells

2020

Increased fleet of tools



Covered Workshop Area – 1,000m²



Open Storage Area – 2,500m²
Integrated Workshop Office – 500 m²

Base #1 Location

Dedicated Office Building – 1,000 m²



Total Area – 4,000 m²



Integrated Workshop Office – 1000 m2



Covered Workshop Area – 1500 m2

Base #2 Location

Total Area – 6,000 m2



Open Storage Area – 3,500m2

Repair and Maintenance Facility

All motors,
turbines assembly
by local
technicians



— Our Services



Well Engineering and Planning



Drill Bits



Coring Services



Turbine Drilling



Performance and Directional
Drilling



MWD/LWD Services



BHA Components



Slickline services



Managed Pressure Drilling
(RCD)



Well Integrity Surveillance
Services

Downhole Motors

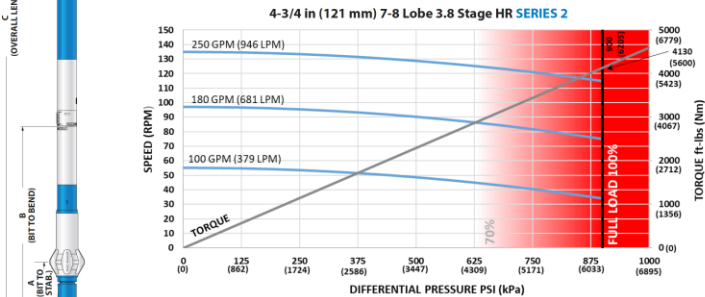


4-3/4 in (121 mm) 7-8 Lobe 3.8 Stage HR **SERIES 2**

Bit Size Range		5-5/8 - 6-3/4 in	143 - 171 mm
Bit Box Connection		3-1/2 REGULAR	
Bearing Load On Bottom	Dynamic	71500 lbf	31800 daN
	Static	229350 lbf	102000 daN
Bearing Load Off Bottom	Dynamic	71500 lbf	31800 daN
	Static	229350 lbf	102000 daN
Max. Overpull (for re-run)		328000 lbf	145900 daN
Absolute Overpull		546000 lbf	242900 daN
Adjustable Makeup Torque		12000 ft-lbs	16300 Nm
A - Bit to Stabilizer (centre)		16.7 in	424 mm
B - Bit to Bend		56.3 in	1430 mm
C - Overall (with Dump Sub)		295.5 in	7506 mm
Weight		1156 lbs	524 kg

Lobe Configuration		7-8 Lobe 3.8 Stage HR	
Displacement (NO LOAD)		0.54 rev/gal	0.14 rev/l
Max. Differential @ FULL LOAD		900 psi	6205 kPa
Max. Torque		4130 ft-lbs	5600 Nm
Max. Power		90 HP	67 kW

Flow Rate		Speed
GPM	LPM	RPM
100	379	34 - 55
180	681	75 - 97
250	946	115 - 135



Possible damage may occur when motor is run higher than 70% of Maximum Differential Pressure.

ADJUSTABLE BUILD RATE: 4-3/4 in (121 mm) 7-8 Lobe 3.8 Stage HR SERIES 2									
Hole Size	SLICK				STABILIZED				
	5-7/8 (150 mm)	6 (152 mm)	6-1/8 (159 mm)	6-1/4 (160 mm)	5-7/8 (150 mm)	6 (152 mm)	6-1/8 (159 mm)	6-1/4 (160 mm)	6-1/2 (165 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)				
0.39	3.04	2.56	2.08	1.59	3.04	2.56	2.08	1.59	
0.78	6.42	5.94	5.46	4.98	6.42	5.94	5.46	4.98	
1.15	9.64	9.15	8.67	8.19	9.64	9.15	8.67	8.19	
1.50	12.67	12.19	11.71	11.23	12.67	12.19	11.71	11.23	
1.83	15.54	15.06	14.58	14.1	15.54	15.06	14.58	14.1	
2.12	18.06	17.57	17.09	16.61	18.06	17.57	17.09	16.61	
2.38	20.31	19.83	19.35	18.87	20.31	19.83	19.35	18.87	
2.60	22.22	21.74	21.26	20.78	22.22	21.74	21.26	20.78	
2.77	23.7	23.22	22.74	22.25	23.7	23.22	22.74	22.25	
2.90	24.83	24.34	23.86	23.38	24.83	24.34	23.86	23.38	
2.97	25.43	24.95	24.47	23.99	25.43	24.95	24.47	23.99	
3.00	25.69	25.21	24.73	24.25	25.69	25.21	24.73	24.25	

FBH BUILD RATE: 4-3/4 in (121 mm) 7-8 Lobe 3.8 Stage HR SERIES 2									
Hole Size	SLICK				STABILIZED				
	5-7/8 (150 mm)	6 (152 mm)	6-1/8 (159 mm)	6-1/4 (160 mm)	5-7/8 (150 mm)	6 (152 mm)	6-1/8 (159 mm)	6-1/4 (160 mm)	6-1/2 (165 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)				
1.25	10.32	9.74	9.17	8.59	10.32	9.74	9.17	8.59	
1.50	12.49	11.91	11.34	10.76	12.49	11.91	11.34	10.76	
1.75	14.66	14.08	13.51	12.93	14.66	14.08	13.51	12.93	
2.00	16.83	16.25	15.68	15.1	16.83	16.25	15.68	15.1	
2.25	19	18.42	17.85	17.27	19	18.42	17.85	17.27	

This information is for reference only. Build rates are theoretical calculations using three-point geometry and new motor builds. Actual rate predictions will depend on formation characteristics, bit profiles, and WOB.

For custom motor configurations and build rates, please contact your DYNOMAX office.

July 10, 2019

Downhole Motor Fleet

- Pathfinder G2 Downhole Motors
 - Available sizes 6 3/4" and 4 3/4"
- DynoMax Downhole Motors
 - Available Sizes 8", 6 3/4" and 4 3/4"
- Cavare Down-hole Motors
 - Available Size 8"

Size	Type of Bearing	Configuration	Manufacturer
8"	Mud Lubricated	6:7, 4.0	Dynomax
8"	Oil Sealed	6:7, 4.0	Cavare
6 3/4"	Mud Lubricated	7:8, 5.0	Dynomax
6 3/4"	Mud Lubricated	7:8, 5.0	Pathfinder G2
4 3/4"	Oil Sealed	7:8 3.8	Dynomax
4 3/4"	Mud Lubricated	7:8 3.8	Pathfinder G2

7501 42 Street, Leduc, AB T9E 0R8 || Tel: 780.986.3070 || Fax: 780.986.3536

www.DYNOMAXDrillingTools.com

sales@DYNOMAXDrillingTools.com

Downhole Motors

Our motors were designed specifically to improve drilling ROP, steering capabilities, and increase reliability. The motors use the highest performance elastomers and materials



PATHFINDER

DYNOMAX
DRILLING
TOOLS INC

 **CAVARE**

DOWNHOLE MOTOR FEATURES

DYNOMAX

- Custom designed thrust bearing maximizes load while optimizing space.
- Splined drive shaft to distribute an even load over the splines; with reduced vibration.
- Adjustable bent housing (0° to 3° in 13 increments) or a fixed bent housing.
- Flow restrictor that reduces pressure in the bearing assembly to a near balanced condition and extending seal life.
- Employs the patented Kalsi Rotary Seal – a seal that has been successfully run in down hole drilling applications for over 20 years.
- Includes increased internal drive line dimensions to accommodate more torque required in today's drilling operations (e.g. Extended and Even Wall power sections).



Turbine



Turbine Fleet

Available sizes 9 5/8", 6 3/4" and 4 3/4"

Applications

- Vertical and directional drilling applications
- Formations drillable with PDC and diamond impregnated bits
- Whipstock, cement plugs, and open hole sidetracks
- HPHT wells
- Hostile mud conditions
- Thru-tubing remedial and underbalanced operations in gasified fluids, acidized systems, and high temperatures

Benefits

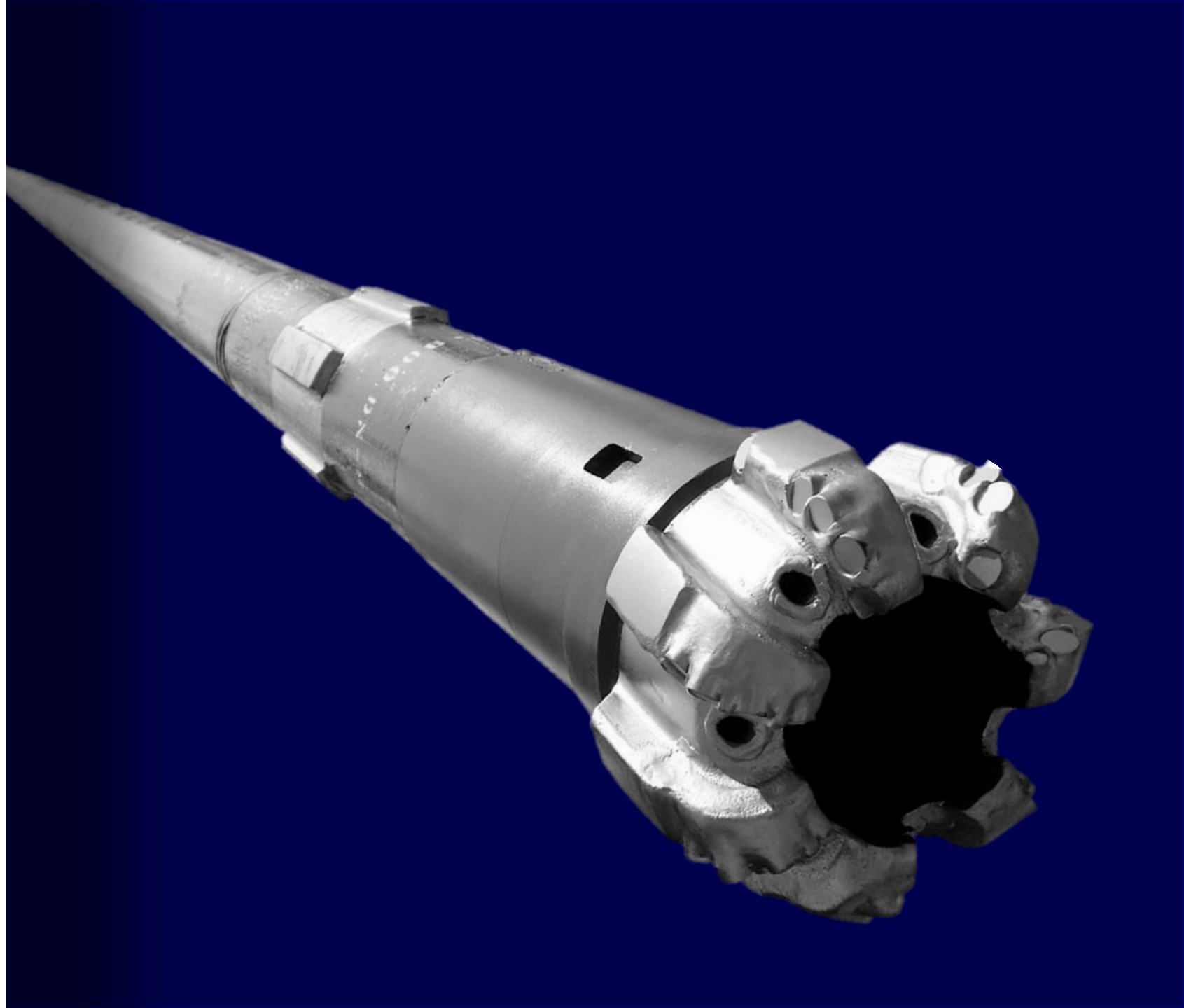
- Less rig time with enhanced ROP, even through very hard formations and during sliding
- More efficient directional drilling because of greater responsiveness and toolface control
- Fewer trips because of high reliability and extended drive train life
- Reduced BHA failures and bit wear because of superior vibration characteristics
- Enhanced wellbore quality and minimal tortuosity over conventional drive systems

Turbine drilling motors spin the bit at a high RPM, helping you maximize asset value in hostile drilling environments by reducing well time and lowering your cost per foot.

Coring

OilTools Services LLP also provides coring services:

- Core recovery in vertical and directional oil and gas wells applying one-or two-unit core barrels using fiberglass, steel and aluminum inner core tubes.
- Study of geological conditions and selection of the best core recovery technique
- Supply of various types and sizes of PDC and Impregnated core heads
- Engineering support and guidance of coring procedure on drilling site





MWD

MEASUREMENT WHILE DRILLING

With a maximum operating temperature of 175°C (347°F), the MWD kit offers a rugged design built to withstand the most extreme drilling conditions. Three times faster data transmission ensures operators see added value compared to conventional mud pulse.

A patent pending, printed circuit board rail mount along with a proprietary snubber design, dampens shock and vibration, reducing the stress on the internal electronics which leads to longer life and dramatically reduces problems from occurring.

An innovative latching muleshoe design provides downhole reliability while remaining retrievable and re-seatable. Integrated rubber fin centralizers along with custom rotary connectors, allow for quick connections in the field. With a unique pulser bottom end, the MWD Kit offers the highest LCM tolerance in its class. Low operating costs and simple fast serviceability, along with a platform designed around adding in new features.

- High LCM Tolerance
- High Efficiency and Power Consumption Optimized Pulser
- Retrievable Latch down Muleshoe
- Rated to 350°F (175°C)
- Independent Module Memory
- Capable of 49 downlinking options
- 7 data sequences
- 7 pulse widths
- Wireless connection

MTBF: ~6700

Based on data supplied from Operators

WINC+

WINC+ (Wireless Inclination with Azimuth) has the ability to provide inclination, azimuth and toolface, so you can keep hole straight and on target, avoiding costly doglegging and potential hole conditions as a result of not circulating while surveying at any point by simply stopping the pumps and restarting them. A survey is reported back to surface while you are drilling ahead, there is no need to wait for the survey to be pumped up; it's done! When used with a steerable assembly, the WINC+ can get you back on target without Having to slow down ROP and waiting for gravity to get your hole back vertical.

- High LCM Tolerance
- High Efficiency and Power Consumption Optimized Pulser
- Retrievable Latch down Muleshoe
- Rated to 350°F (175°C)
- Independent Module Memory
- Capable of 49 downlinking options
- 7 data sequences
- 7 pulse widths
- Wireless connection





Case History

Well Data

- Location: Kenkiyak
- Well: 8077
- Date: 25-08-2019
- Hole Size: 8 1/2" (Vertical section)
- Well Type: Vertical

Objectives:

Drilling 8.5" section and maintain wellbore verticality through hard and abrasive interbedded formations with 6 3/4" OTS Turbine and Impregnated bit

Results:

- Inclination dropped from 5.4deg to 0.1 deg
- Drilled record daily footage: 50m, ROP 2.29m/h
- 5 times faster than PDM drilling
- Drilled 582m with one bit within 13days
- Saved 53 days of drilling time for customer

New Drilling Record was set

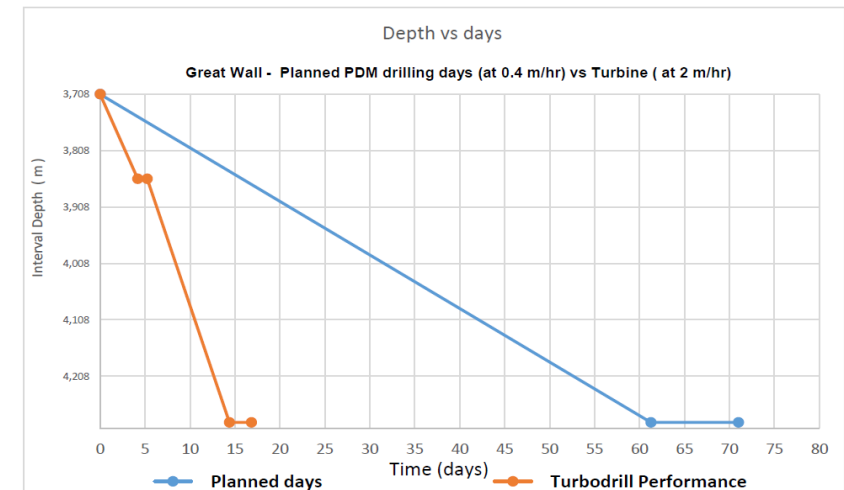
by OilTools Services Turbine and impregnated bit and save for Great Wall 53 Days

Objectives: Drilling 8.5" section and maintain wellbore verticality through hard and abrasive interbedded formations with 6 3/4" OTS T172 Turbine and Impregnated bit in the field Kenkiyak, well 8077.

Results:

- ✓ Inclination dropped from 5.4 deg to 0.1 deg.
- ✓ Target to keep wellbore verticality is reached
- ✓ Drilled record daily footage: 50 m (4043 – 4093m, daily ROP 2.29 m/h)
- ✓ Drilled 582 m with one bit within 319.5 hrs (13 days)
- ✓ Cost optimization
- ✓ Saved 53 days of drilling time for customer

Depth in: 3708 m (08.08.2019)	Depth in: 3858 m (13.08.2019)
Depth out: 3858 m (13.08.2019)	Depth out: 4290 m (25.08.2019)
Days: 5	Days: 13
Interval: 150 m	Interval: 432 m
ROP: 1.5 m/h (include slide)	ROP: 1.97 m/h



Turbine Section

Bearing Section

Case History

Well Data

Location: Chinarevskoye

Well: 51_1

Date: 04-08-2019

Hole Size: 6" (Directional)

Well Type: Sidetrack

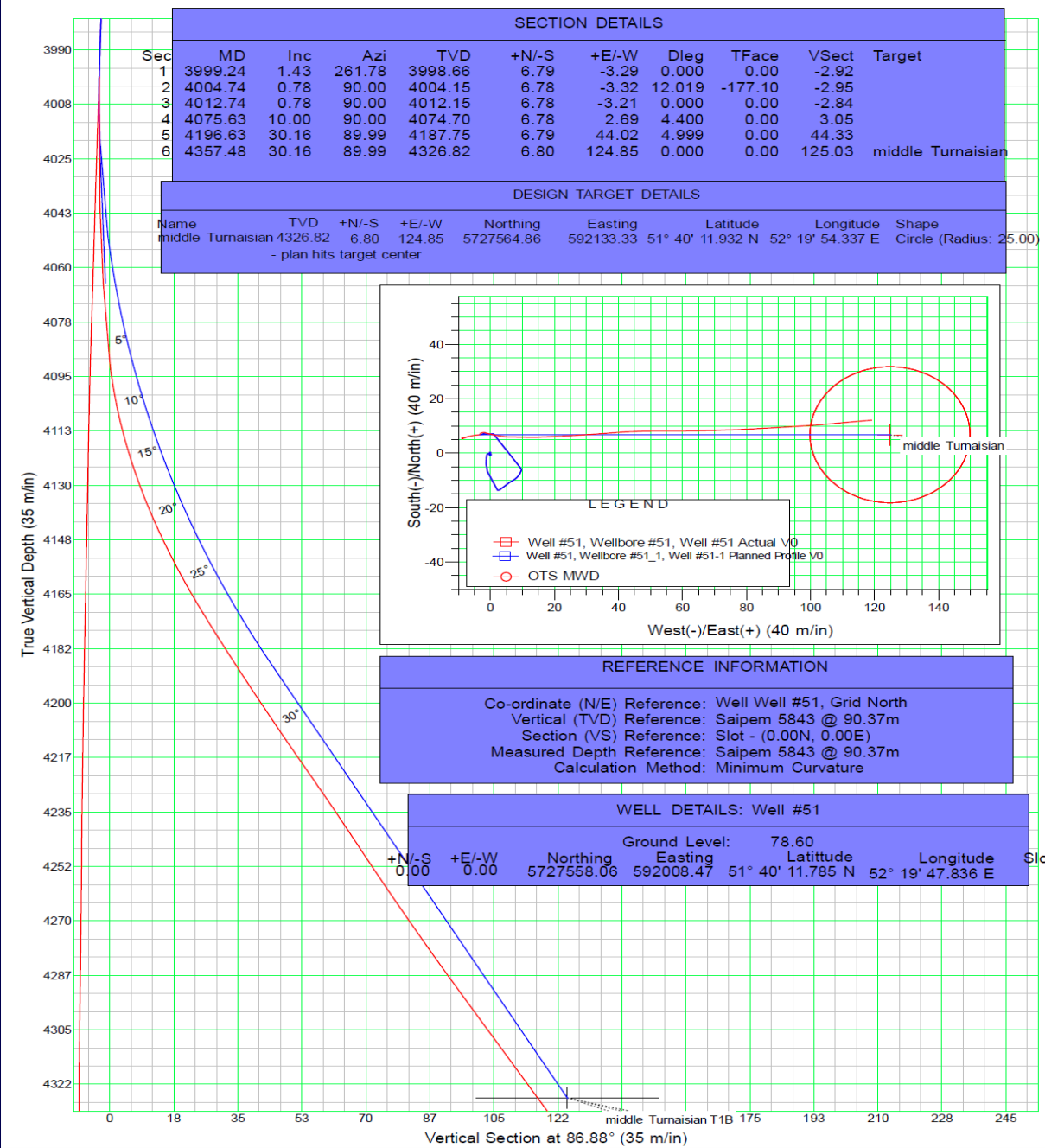
Objectives:

Drill sidetrack on the Turnaisian horizon with PDM (Turbine in hard formations) DLS 4.4°/30m and 4.9°/30m and hit the target (radius-25m).

Results:

Target successfully hit

Created max. DLS 9.7°/30m



WINC+

Objectives for Well ST 51_1:

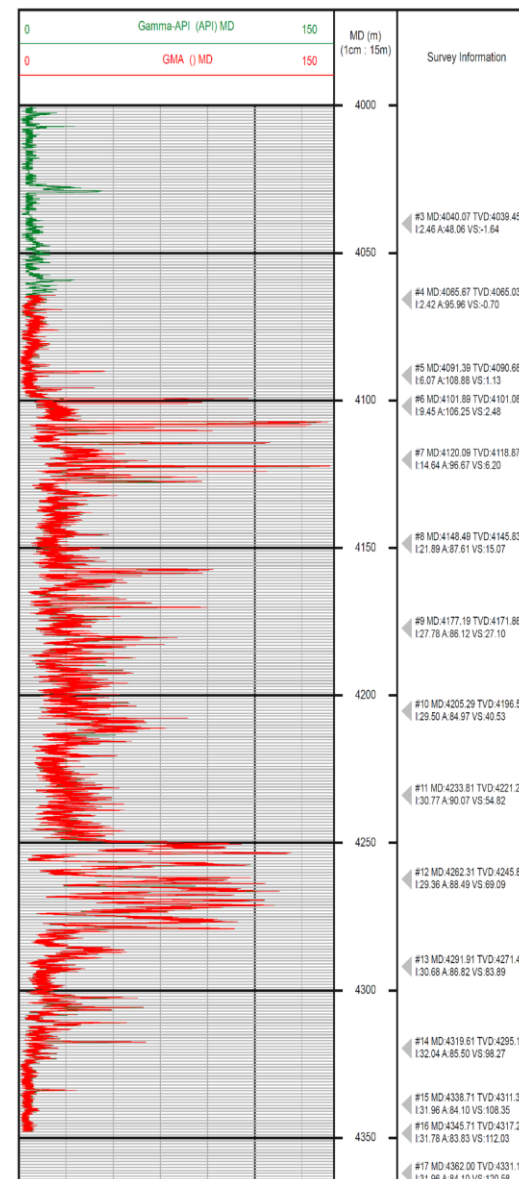
- Perform cased hole sidetrack
- Follow planned well path
- Provide formation evaluation data

Tool settings:

- Data rate set to 0.6bps (available up to 4 bps) for required data quality
- Force GTF at 1 degree to perform sidetrack in casing
- Included continuous INC and AZI for directional control
- RT Shock & Vib data available for drilling parameters optimization

As a result well was drilled in 16 days. After performing sidetrack, INC was built from 0 deg to 30 deg, overall drilling 355 m. Timely decisions were made based upon RT GR data.

MWD Performance well ST 51_1



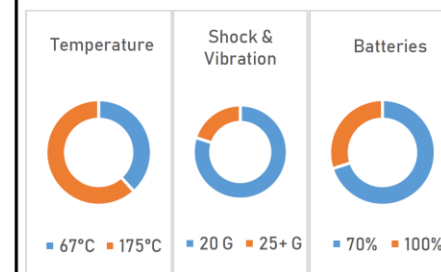
Objectives for Well ST 51_1:

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Tool settings:

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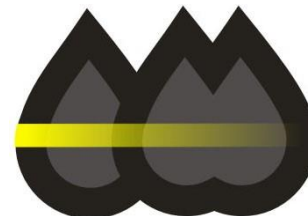
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Customer list

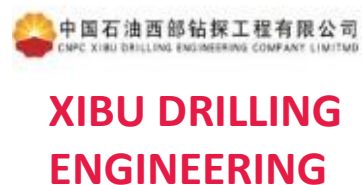


ARAL PETROLEUM



**Fial JV
(Chinese)**

Drilling Contractors





مركز تجهيز حقول النفط المحدود
Oilfields Supply Center Ltd.

Drilling tools maintenance support



RUBICON
OILFIELD INTERNATIONAL

Drill Bits, BHA Components, Completions
and Fishing



Directional Drilling Services



**DEEP
CASING
TOOLS**

TurboCasers and TurboRunners

SGS

Slickline and Well Testing Services



MWD Equipment and RSS

ScanWell

MWD Equipment and RSS

Our Partners

Our partners have worked with us to deliver ever more innovative, effective and successful projects and programmers and their support has been vital in achieving our Mission and Vision

Health, Safety and Environment

Our field engineers are our most important asset and their safety and well-being is our most important consideration. Safety and environmental protection is an integral part of efficient operations and demands a commitment by all staff at OilTools Services.

In working with our oil and gas customers, management expects that all activities performed on our customer's behalf be accomplished without accident, injury, occupational illness or damage to the environment. We provide a safe, healthy work site for our staff.

Our goal is to maintain the highest safety and environmental standards possible and, as such, all of our engineers and employees are expected to actively participate comply with our safety and environmental programs.



- Zero HSE accident on rig site and workshop.
- Holding internal training on weekly basis.
- Arranging external training
- Safety meetings weekly and after each job.
- Toolbox meeting every morning to discuss the operation and plan for the rest of the day.
- Achieving and Implementing, OHSAS 18001
- Routine medical check up for employees
- OTS employers every year take courses:
- ✓ Industrial safety of workers at hazardous production facilities
- ✓ Occupational safety and Health
- ✓ H2S
- ✓ Fire Safety Minimum



ГОСУДАРСТВЕННАЯ СИСТЕМА
ТЕХНИЧЕСКОГО РЕГУЛИРОВАНИЯ РЕСПУБЛИКИ КАЗАХСТАН

ОПС СМ ТОО "Олимп Серт"

РК, город Нур-Султан, ул.Сыганак 29, Бизнес-центр "Евроцентр", офис 504



KZ. Q.01.0041

KCC № 0108912

СЕРТИФИКАТ СООТВЕТСТВИЯ

Зарегистрирован в Государственном реестре

« 18 » сентября 2019 г.

№ KZ.7100041.07.03.00863

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Настоящий сертификат выдан ТОО "OilTools Services", Юр. адрес: РК,
Актюбинская область, город Актобе, Промзона, 432

и удостоверяет, что СИСТЕМА МЕНЕДЖМЕНТА КАЧЕСТВА

применительно к проектированию (технологическому) и (или) эксплуатации
горных (разведка, добыча полезных ископаемых), нефтехимических,
химических производств, проектированию (технологическому)
нефтегазоперерабатывающих производств, эксплуатации магистральных
газопроводов, нефтепроводов, нефтепродуктопроводов

соответствует требованиям СТ РК ISO 9001-2016 (ISO 9001:2015) «Системы
менеджмента качества. Требования»



Руководитель органа по подтверждению
соответствия или уполномоченное им лицо

Уалиева А.К.

подпись

инициалы, фамилия

Эксперт-аудитор

Бейсова П. Н.

подпись

инициалы, фамилия

Quality Management System

- ISO 9001: 2015 Certified
- Vendors are qualified by an initial joint audit with Engineering Quality
- Vendors are ranked yearly based on performance metrics and given corrective actions to improve quality.
- Approved vendors are periodically audited to ensure ongoing quality and improvement



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Thanks for
Watching