



Oil Exploration Operations Company





WHO WE ARE



BACKGROUND

Oil Exploration Operation Company (OEOC), as one of the most reputable Iranian private companies in upstream sector of oil and gas industry, has been part of National Iranian Oil Company Exploration Directorate. Since 1998 the operational section of NIOC was derived as a separate organization under full ownership of NIOC Pension Fund called Oil Exploration Services Company (OESCO), with the aim of offering specialized oil exploration services to its clients. According to Oil Pension Fund's strategies for restructuring and reorganization of subsidiaries and activities, the whole share of OEOC transferred to OIEC Group in 2020.

In order to expand OIEC group's presence in the upstream market, Saba Rig Providing Company (SRP) and Oil Industry Drilling Services Company (OIDS) merged with OEOC as a whole name at the end of 2020. OEOC has been succeeded to deliver technical and engineering services to variety of well-known international clients such as PETRONAS (Malaysia), LUKOIL (Russia), and SANTOS (Australia) in CIS countries as the first Iranian exporter in the field of upstream Oil & Gas industry by utilization of trained human resources and modern equipment.

VISION

- Sustained development a market oriented and customer focused culture and structure in the company with the ultimate aim of increased profitability.
- Using experts and professionals of the highest caliber and raising level of employees' knowledge by organizing regular training courses and hands-on experiences.
- Providing a safe and sound working environment for the employees.
- Improving the quality of services, complying as much as possible with health, safety and environment.
- Achieving technological and knowledge-based activities.
- Carrying out activities related to the social responsibility.

KEY ACTIVITIES

- Drilling Operation and Rig Services
- Integrated Oilfield Services
- EPD Projects





• WHY OEOC

Since the establishment, OEOC has succeeded to accomplish numerous projects in more than %80 of domestic Oil & Gas fields and several foreign markets in different levels of complexity and various scales in terms of both technical and non-technical issues.

OUR CREW

OEOC prides itself on leveraging a team of highly skilled and experienced professionals who play a pivotal role in our success and growth. These individuals bring added value to the company through their expertise and experience in various fields. Their ability to tackle complex problems and enhance the quality of our processes contributes significantly to achieving our set goals.

By utilizing a team of specialized and seasoned personnel, our company is capable of delivering high-quality services to our customers. With their technical and operational knowledge, they facilitate the improvement of production processes and service delivery. Moreover, their flexibility and collaborative skills help streamline internal and external relationships within the company.

The specialized and experienced personnel in our company operate as an effective and cohesive team. Through high levels of cooperation and coordination, this team contributes to achieving our common company objectives. Drawing on their diverse experience, they provide innovative solutions to everyday challenges within our company, ultimately aiding in sustainable growth and development.

FACILITIES

► MAIN OFFICE

The office space with an area of 1700 square meters on 6 floors has formed the management unit and the OEOC headquarters in Tehran for better communication with the stakeholders and customers whose headquarters are in Tehran.

In this building, in addition to the area of the CEO and the board of directors, the management departments of the vice president of drilling projects and ancillary services of drilling and wells, the vice president of finance and administration, the vice president of support, the vice president of planning and budget, legal, HSE, marketing and public relations are in this building. has been deployed.

► OPERATION BASE

OEOC owns operation base in Ahwaz with almost 40 hectares area.

All equipment maintained in this area. The whole area consist of 3 yards which include warehouses and maintenance shops.

► 1- Korit's yard which includes:

Seven warehouses and maintenance shops as follows:

- Warehouse related to storing and cutting cement sacks.
- Maintenance and repair shop related to cement truck and coiled-tubing unit.
- Maintenance shop related to coring and casing running tools.
- Maintenance and repair shop related to mechanical DST-RTTS and full bore DST tools.
- Maintenance and repair shop related to slickline, well-head and surface testing tools.
- Warehouse related to spare parts.
- Logistics, transportation and repair shop.



► 2- Shahid Soleymani's yard with 9 hectares area encompasses:

A. 7200 m2 concreted floor which includes:

1200- m2 warehouse (100m2 cold room and maintenance shop)

B. 800 m2 administrative office which includes:

- Maintenance, welding and instrumentation department
- Movable tools department (capable of repair and overhaul of well control equipment)
- Operation management



► 3- Third yard incudes warehouse and storage in order to support and case of necessity.

COMPERHANSIVE FLEET

► DRILLING FLEET

“ OEOC’S Drilling Operation Fleets Include:

8 units of 2000 HP land rigs with capability of drilling up to 7000 meters depth.

► INTEGRATED OILFIELD SERVICES

Oilfield Services Department delivers integrated or separately drilling and well services.

- | | |
|----------------------------------|----------------------|
| -Casing and Tubular Running | -Conventional Coring |
| -Cementing & Acidizing | -Coiled Tubing |
| -Well Head | -Nitrogen Lifting |
| -Surface Testing | -Slick Line |
| -Multi- Phase Flow Meter (MPFM) | -Mudlogging |
| -Downhole Testing(FBDST) | -H2S |
| -Horizontal Directional Drilling | |



OIL EXPLORATION OPERATION COMPANY TIMELINE

2009

Entering to drilling operation market by development of drilling and oilfield services



2008

Entering to oil and gas upstream market of Kyrgyzstan



2006

Entering to oil and gas upstream market of Uzbekistan



2004

Development of fleet exploration activities



1998

Separation from NIOC exploration directorate and establishment as private company







OEOC'S RIGS SPECIFICATION

Rig 202 ,201

2000 hp DC - Swing up, Triple

General Description

Make	ZPEC
Year Built	2008
Estimated Drilling Depth	6000 m with 5" DP, 7000 m with 4-1/2"DP
Estimated Rig Move Loads	75
Estimated Camp Move Loads	45
Opening Size	0%

Mast

Make, Model, Height	ZPEC, K-Type, JJ450/45-K9, 45 m (147')
Static Hook Load Capacity	4500 kN,1,000,000 Lbs
Mast Racking Capacity	2200 KN, 250 ea 5" Drill pipe Stand and 4 ea 9 3/4" Drill Collar and 6 ea 8 1/2" Drill Collar Power Generation and 6 ea 6 1/2" Drill Collar

Substructure

Make, Style, Model	ZPEC, Slingshot, DZ450/9S6
Hight	9 m
Clear Hight	7.617 m (25»)
Casing Capacity	4500 kN
Maximum Setback Load	2200 kN/220 MT

Substructure

Make, Style, Model	ZPEC, Slingshot, DZ-450/9S6
Hight	9 m
Clear Hight	7.617 m (25")
Casing Capacity	4500 kN
Maximum Setback Load	2200 kN/220 MT



Swivel

Make, Model, Load Rating	LANZHOU,SL450-5, 4500 KN/1,000,000lbs
Speed	0 -300 r/min
Working Pressure	35 MPa (5000 psi)
Center pipe bore hole	(4")

Rotary Table

Opening Size	952.5 mm (37-1/2")
Static Load Capacity	7250 KN
Torque	42000 N.M
Rotary Speed	0 - 300 rpm

Power Generation

Engines (Main)	4 ea CAT3512B DITA -1310KW
Generator	Kato -SR4B - 1714 KVA
SCR/VFD	SCR system -Ross hill Type-TSC- One to Two

MudSystem

Mud Pumps	3 ea KLF ZPEC F-1600
Power /Pressure Rating	1600 HP/ 5000 Psi
Active Mud Volume	2000 bbl
Reserve Mud Volume	1000 bbl
Shale Shakers	3 ea Derrick FLC-2000
Mud Cleaner Shaker	Derrick FLC2000
Mud Cleaner Desander	Derrick 2 ea Cone 12" - 1100 gpm
Mud Cleaner Desilter	Derrick 20 ea Cone 4" - 1500 gpm
Degasser	CANGZHOU ZHONGYOU HV-300; 800 GPM
Centrifuge	2 ea CANGZOU HEBEI, LW450-842N & GLW355-1250N with 300 gpm ea

Top Drive

Make	BPM-Beijing Petroleum Mechanic Manufacture DQ70BSC
Capacity	4500 KN
Torque-Continuous	52877 Nm (39000 lbf ft)

CrownBlock

Make, Model, Load Rating	LSNOW, TC-450-10, 4500 KN/1,000,000lbs
SheavesQuantity	6 + 1 Fast Line Sheave
SheavesDiameter	6 ea $\Phi 1524\text{mm}$ (60"), 1 \times $\Phi 1829\text{mm}$ (70")

Combination Hook and Traveling Block

Make, Model, Load Rating	LSNOW, TC-450-10, 4500 KN/1,000,000lbs
SheavesQuantity	6 + 1 Fast Line Sheave
SheavesDiameter	6 ea $\Phi 1524\text{mm}$ (60"), 1 \times $\Phi 1829\text{mm}$ (70")

Rig 203

2000 hp DC - Swing up, Triple

General Description

Make	ZPEC
Year Built	2009
Year OF Commissioning	2011
Estimated Drilling Depth Loads	6000 m with 5" DP, 7000 m with 4-1/2" DP
Estimated Rig Move Loads	75
Estimated Camp Move Loads	45

Mast

Make, Model, Height	ZPEC, K-Type, JJ450/45-K9, 45 m (147')
Static Hook Load Capacity	4500 kN, 1,000,000 Lbs
Mast Racking Capacity	2200 KN, 250 ea 5" Drill pipe Stand and 4 ea 9 3/4" Drill Collar and 6 ea 8 1/2" Drill Collar and 6 ea 6 1/2" Drill Collar

WellControl

Annular	Yancheng Sanyi 20 3/4", 3000 psi, H2S trimmed Yancheng Sanyi 13-5/8", 10,000 psi, H2S trimmed
Double Ram Preventer	Yancheng Sanyi, 20 3/4", 3000 psi, H2S trimmed
Single Ram Preventer	Yancheng Sanyi, 13-5/8", 10,000 psi H2S trimmed
Choke Manifold	Yancheng Sanyi, JG103-78/70 2 9/16" - 4 1/16", 10,000 psi WP, Sour Service
BOP Control Unit	BPM FKQ1280-10, 8 stations, 3000 psi

Drill String Equipment

Drill Pipe	4500m - 5" G-105/S-135, 19.5 lbs/ft 1000m - 3 1/2" G-105/S-135, 13.3 lbs/ft
HWDP	30 jts 5" 30 jts 3 1/2"
Drill collars	9 jts 9 3/4", 24 jts 8 1/2", 30 jts 6 1/2", 30 jts 4 3/4"



Swivel

Make, Model, Load Rating	4500KN/1,000,000lbs
Speed	0 - 300 r/min
Working Pressure	35 MPa (5000 psi)
Center pipe bore hole	(4")

Rotary Table

Opening Size	952.5 mm (37-1/2")
Static Load Capacity	7250 KN
Torque e	42000 N.M
Rotary Speed	0 - 300 rpm



Substructure

Make, Style, Model	ZPEC, Slingshot, DZ450/9S6
Hight	9 m
Clear Highth	7.617 m (25")
Casing Capacity	4500 kN
Maximum Setback Load	2200 kN/220 MT

Drawworks

Make	ZPEC
Model	JC70D-2
Power Rating	2000 hp/1470 KW
Input Power	2300 hp/1715 KW, 2 ea YZ08 DC Traction Motor
Brake Type-Band or Disc	Disc
Drilling Line Size	1-1/2"

Top Drive

Make	BPM-Beijing Petrolume Mechanic Manufacture
Model	DQ70BSC
Capacity	4500 KN
Torque-Continuous	52877 Nm (39000 lbf ft)

Crownblock

Make	LSNOW, TC-450-10, 4500 KN/1,000,000lbs
SheavesQuantity	6 + 1 Fast Line Sheave
SheavesDiamiter	6 ea Φ1524mm (60"), 1 × Φ1829mm (70")

Combination Hook and Traveling Block

Make	LSNOW-DG450, 4500 Kn/1,000,000 lbs
SheavesQuantity	6
SheavesDiamiter	Φ 1524 mm(60")

Drill String Equipment

Drill Pipe	4500m - 5", G-105/S-135, 19.5 lbs/ft 1000m- 3 1/2", G-105/S-135, 13.3 lbs/ft
HWDP	30 jts 5", 30 jts 3 1/2"
Drill collars	9 jts 9 3/4", 24 jts 8 1/2", 30 jts 6 1/2", 30 jts 4 3/4"
Centrifuge	2 ea CANGZOU HEBEI, LW450-842N & GLW355-1250N with 300 gpm ea

Power Generation

Engines (Main)	94 ea CAT3512B DITA -1310KW
Generator	Kato -SR4B - 1714 KVA
SCR/VFD	SCR system -Drive Type- SIEMENS- One to One

MudSystem

Mud Pumps	3 ea KLF ZPEC F-1600
Power /Pressure Rating	1600 HP/ 5000 Psi
Active Mud Volume	2000 bbl
Reserve Mud Volume	1000 bbl
Shale Shakers	3 ea Derrick FLC-2000
Mud Cleaner Shaker	Derrick FLC2000
Mud Cleaner Desander	Derrick 2 ea Cone 12" - 1100 gpm
Mud Cleaner Desilter	Derrick 20 ea Cone 4" - 1500 gpm
Degasser	CANGZHOU ZHONGYOU HV-300; 800 GPM
Centrifuge	2 ea CANGZOU HEBEI, LW450-842N & GLW355-1250N with 300 gpm ea

WellControl

Annular	Yancheng Sanyi 20 3/4", 3000 psi, H2S trimmed Yancheng Sanyi 13-5/8", 10,000 psi, H2S trimmed
Double Ram Preventer	Yancheng Sanyi, 20 3/4", 3000 psi, H2S trimmed Yancheng Sanyi,13-5/8", 10,000 psi, H2S trimmed
Single Ram Preventer	Yancheng Sanyi,13-5/8", 10,000 psi H2S trimmed
Choke Manifold	Yancheng Sanyi, JG103-78/70 2 9/16"- 4 1/16", 10,000 psi WP, Sour Service
BOP Control Unit	BPM FKQ1280-10, 8 stations, 3000 psi

Rig 204, 205, 206, 207

2000 hp DC - Slingshot, Triple

General Description

Make	CPTDC - CPLEC (LPEI)
Year Built	2012
Year of Commissioning	2020
Estimated Drilling Depth	6000 m with 5" DP, 7000 m with 4-1/2" DP
Estimated Rig Move Loads	75
Estimated Camp Move Loads	45

Mast

Make, Model, Height	CPLEC, K-Type, JJ450/45K, 45.5 m (149')
Static Hook Load Capacity	4500 kN, 1,000,000 Lbs
Mast Racking Capacity	2200 kN, 250 ea 5" Drill pipe Stand and 3 3ea 9 1/2" Drill Collar and 5 ea 8 1/2" Drill Collar and 10 ea 6 1/2" Drill Collar

Substructure

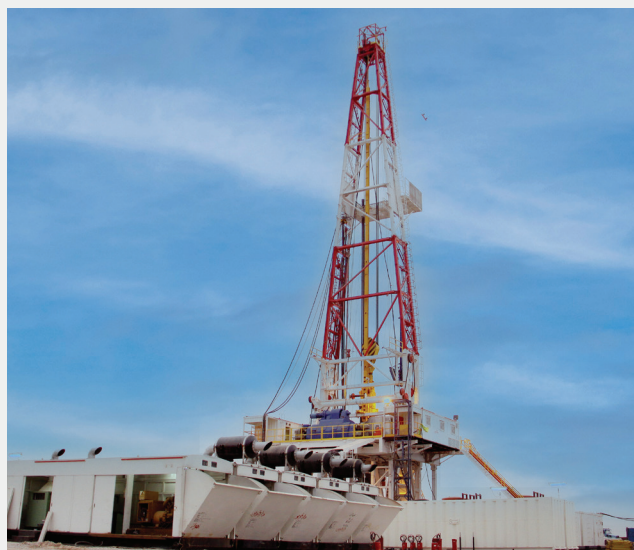
Make, Style, Model	CPLEC, Slingshot, DZ-450/10.5S15
Height	10.5 m
Clear Height	9 m (30')
Casing Capacity	4500 kN
Maximum Setback Load	2200 kN/220 MT
Active Mud Volume	2000 bbl

Drawworks

Make	LSNOV JC-
Model	70D
Power Rating	2000 hp/1470 KW
Input Power	2300 hp/1715 KW, 2 ea YZ08 DC Traction Motor
Brake Type-Band or Disc	Disc
Drilling Line Size	1-1/2"

Swivel

Make, Model, Load Rating	BOMCO, SL 450-5, 4500 KN/1,000,000 lbs
Speed	0 - 300 r/min
Working Pressure	(MPa) 5000 psi 35
Center pipe bore hole	(4)



Rotary Table

Opening Size	CPLEC, ZP-375, 952.5 mm (37-1/2")
Static Load Capacity	5850kN
Torque	32362 N.M
Rotary Speed	0 - 300 rpm

Power Generation

Engines	44ea CAT3512B DITA -1310KW G-105/S-135, 13.3 lbs/ft
Generator	Kato -SR4B - 1714 KVA
Drill collars	9 jts 9 3/4", 24 jts 8 1/2", 30 jts 6 1/2", 30 jts 4 3/4"
SCR/VFD	SCR system -Ross hill Type-TSC- One to Two

Mud System

Mud Pumps	3ea BOMCO, F-1600
Power /Pressure Rating	1600 HP/ 5000 Psi
Reserve Mud Volume	1000 bbl
Shale Shakers	3ea MI Mongoose Dual Motion
Mud Cleaner Shaker	MI-Swaco-Mongoose, Dual Motion
Mud Cleaner Desander	MI-Swaco, 2 ea Cone 12" - 1100 gpm
Mud Cleaner Desilter	MI-Swaco, 12 ea Cone 4" - 1200 gpm
Degasser	ZCQ 1/4; 4 m3/min (1000 gpm)
Centrifuge	2 ea MI-Swaco 518 FVS, 100-250 gpm.



Top Drive

Make	VARCO
Model	TDS-11SA
Capacity	500 T, 800HP
Torque-Continuous	37500 ft.lbs

Hook

Make, Model, Load Rating	CPLEC, DG450, 4500 KN/1,000,000lbs
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Traveling Block

Make, Model, Load Rating	BOMCO, YC450, 4500 KN/1,000,000lbs
Sheaves Quantity	6
Sheaves Diameter	Φ 1524 mm(60")

Rig 208

2000 hp DC - Slingshot, Triple

General Description

Make	BOMCO
Year Built	2012
Year of Commissioning	2021
Estimated Drilling Depth	6000 m with 5" DP, 7000 m with 4-1/2" DP
Estimated Rig Move Loads	75
Estimated Camp Move Loads	45

Mast

Model, Height	BOMCO, K-Type, JJ450/45K, 45.5 m (149')
Static Hook Load Capacity	4500 kN, 1,000,000 Lbs
Mast Racking Capacity	2200 KN, 250 ea 5" Drill pipe Stand and 3 3ea 9 1/2" Drill Collar and 5 ea 8 1/2" Drill Collar and 10 ea 6 1/2" Drill Collar

Swivel

Make, Model, Load Rating	BOMCO, SL 450-5, 4500 KN/1,000,000 lbs
Speed	0 - 300 r/min
Working Pressure	(MPa) 5000 psi 35
Center pipe bore hole	(") 4

Well Control

Annular	Rongsheng Mach., 21 1/4", 2000 psi, H2S trimmed Rongsheng Mach., 13-5/8", 5000 psi, H2S trimmed
Double Ram Preventer	Rongsheng Mach., 13-5/8", 5,000 psi, H2S trimmed
Single Ram Preventer	Rongsheng Mach., 21 1/4", 2000 psi, H2S trimmed Rongsheng Mach., 13-5/8", 5,000 psi, H2S trimmed
Choke Manifold	Jiangsu Xianzhong Machinery 2 9/16"- 4 1/16", 5,000 psi WP, Sour Service
BOP Control Unit	3000 psi, BPM FKQ1280-8:8 stations

Drill String Equipment

Drill Pipe	400 jts 5" G-105, 19.5 lbs/ft; Traveling Block 100 jts 5" S-135, 19.5 lbs/ft; 100 jts 3 1/2" G-105, 13.3 lbs/ft, 100 jts 2 7/8" E-75, 10.4 lbs/ft,
HWDP	50 jts 5"; 50 jts 3 1/2".
Drill collars	3 jts 11", 15 jts 9 1/2", 18 jts 8 1/2", 30 jts 6 1/2", 30 jts 4 3/4", 30 jts 3 1/8"



Rotary Table

Opening Size	BOMCO, ZP-375, 952.5 mm (37-1/2")
Static Load Capacity	5850kN Make
Torque	32362 N.M
Rotary Speed	0 - 300 rpm

Substructure

Make, Style, Model	BOMCO, Slingshot, DZ-450/10.5S15
Hight	10.5 m
Clear High	9 m (30")
Casing Capacity	4500 kN
Maximum Setback Load	2200 kN/220 MT
Active Mud Volume	2000 bbl

Drawworks

Make	BOMCO JC-
Model	70D
Power Rating	2000 hp/1470 KW
Input Power	2300 hp/1715 KW, 2 ea YZ08 DC Traction Motor
Brake Type-Band or Disc	Disc
Drilling Line Size	1-1/2"

Top Drive

Make	VARCO
Model	TDS-11SA
Capacity	500 T, 800HP
Torque-Continuous	37500 ft.lbs

Crown Block

Make, Model, Load Rating	BOMCO, TC 450-7, 4500 KN/1,000,000lbs
Sheaves Quantity	6 + 1 Fast Line Sheave
Sheaves Diamiter	6ea Φ1524mm (60"), 1ea Φ1524mm (60")

Hook

Make, Model, Load Rating	BOMCO, DG450, 4500 KN/1,000,000lbs
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Traveling Block

Make, Model, Load Rating	BOMCO, YC450, 4500 KN/1,000,000lbs
Sheaves Quantity	6
Sheaves Diamiter	Φ 1524 mm(60")

Power Generation

Engines	4ea CAT3512B DITA -1310KW
Generator	Kato -SR4B - 1714 KVA
SCR/VFD	SCR system -Ross hill Type-TSC- One to Two

Mud System

Mud Pumps	3ea BOMCO, F-1600
Power /Pressure Rating	1600 HP/ 5000 Psi
Reserve Mud Volume	1000 bbl
Shale Shakers	3ea MI Mongoose Dual Motion
Mud Cleaner Shaker	MI-Swaco-Mongoose, Dual Motion MI-
Mud Cleaner Desander	Swaco, 2 ea Cone 12" - 1100 gpm
Mud Cleaner Desilter	MI-Swaco, 12 ea Cone 4" - 1200 gpm
Degasser	ZCQ 1/4; 4 m3/min (1000 gpm)
Centrifuge	2 ea MI-Swaco 518 FVS, 100-250 gpm

Well Control

Annular	Rongsheng Mach., 21 1/4", 2000 psi, H2S trimmed Rongsheng Mach., 13-5/8", 5000 psi, H2S trimmed
Double Ram Preventer	Rongsheng Mach., 13-5/8", 5,000 psi, H2S trimmed
Single Ram Preventer	Rongsheng Mach., 21 1/4", 2000 psi, H2S trimmed Rongsheng Mach., 13-5/8", 5,000 psi, H2S trimmed
Choke Manifold	Jiangsu Xianzhong Machinery 2 9/16"- 4 1/16", 5,000 psi WP, Sour Service
BOP Control Unit	3000 psi, BPM FKQ1280-8; 8 stations

Drill String Equipment

Drill Pipe	400 jts 5" G-105, 19.5 lbs/ft; Traveling Block 100 jts 5" S-135, 19.5 lbs/ft;
	100 jts 3 1/2" G-105, 13.3 lbs/ft, 100 jts 2 7/8" E-75, 10.4 lbs/ft,
HWDP	50 jts 5"; 50 jts 3 1/2".
Drill collars	3 jts 11", 15 jts 9 1/2", 18 jts 8 1/2", 30 jts 6 1/2", 30 jts 4 3/4", 30 jts 3 1/8"



CORING SERVICES

► OEOC Coring Tools:

Conventional Coring Tool

Full package and full accessories in 3 hole sections 12 1/4- 8 1/2- 6 1/8

▾ Bearing retainer

Pressure relief plug

Core head in different size & grade

Best quality fiber glass inner barrel with the following

▾ advantages:

To cut easily

Resist chemical corrosion, anti-acid, anti-salt, non-toxic

Resist high temperature, can work at well bottom
temperature 150°C average core recovery over %95 and
maximum well depth exceeding 4730 m.





CEMENTING & ACIDIZING SERVICES

HP Double Pump Truck:

Our skid mounted double pump cementing system is designed for the most demanding oil and gas well cementing requirements. The quality of design, component selection makes it a benchmark in the industry.

Its powerful mixing system can blend heaviest slurries and automatic density control module provides superior density adjustment.

► 6 Cement Units:

- 3 sets Model GJT70-34II
- 2 sets Model PCS-621B
- 1 set Model PCS-521B

► Main Features:

- Good mixing capabilities
- High load-bearing capacity
- CAT engine 13 & 15
- Allison transmission 600H
- ACM-III automatic mixing system

► CMT Batch mixer (100 BBL)

Our skid Can be used for batch mixing operating our Countinous mixing operation outros automatically or manually. Advanced technology

2x 50 bbl batch tank equipped with agigaturfor Advaned high energy mixing technology

- hemi mixing system
- Funk 59000 Series Gear box
- CAT engine C300 7HD
- 100 BBL Capacity
- ACM-III. 1 fluid Level auto Control System



CementBulk Plant

The cement bulk plant includes:

Row	Description	Volume	Qty.
1	Solution Tank	1500 bbl	15
2	Cement Silo	1050 ft3	11
3	Cement Silo	750 ft3	5
4	Scale Tank	500 ft3	1
5	Cutter Tank	250/500 ft3	1
6	Cutter Tank	40/50 ft3	2
7	Dust Catcher	250ft3	1
8	Bulk Trailer (Double Silo)	660 ft3	7
9	Air Compressor	392 CFM	5

Acidizing Equipment

Acidizing Equipment Includes:

Row	Description	Volume	Qty.
1	Liquid Tank	500 bbl	15
2	Acid Tanker Covered (Polyethylene)	4000 gal	6
3	Non-corrosive Tanker	4000 gal	3
4	Liquid Tanker	30,000 lit	7
5	Acid Storage Tank Covered (Polyethylene)	12000 gal	3
6	Acid Storage Tank Covered (Polyethylene)	15000 gal	2
7	Air Compressor	392 CFM	5
8	Acid Transfer Pump	200 gal/min	7
9	Acid Mixing Pump	300 gal/min	4
10	Manifold	(High pressure)	2
11	Manifold	(High pressure)	1
12	Delasco Pump	100 gal/min	4



Surface Testing Services

Equipment	Specification	QTY.
Choke Manifold	Working Pressure: 10000 & 15000 psi Working Temperature: -20 to 300 of Connection: 3" fig 206, 602 & 1502 Valves: 6 Gate valve with 3-1/16" Arms: 2 arms (fixed choke in one arm and a variable choke in the other arm) Other Features: H2S and CO2 Service	5
3-Phase Test Separator	Working Pressure: 1440 psi Working Temperature: -20 to 300 oF Max. Oil Processing Capacity: 15000 bbl/day Max. Gas Processing Capacity: 64 MMscf/day Retention Time: Min: 30 Sec. Max: 3 Min. Other Features: Protected by relief valve with aback up rupture disc. Sight glasses made of glass A check valve to prevent back flow from the Sep. An open Pressure controller on Gas line and a gas orifice meter. A fail closed level controllers on Liquid line An integral shrinkage meter with full range of gas orifices. Gas and liquid sample points H2S & CO2 Services	3
Surge Tank	Working Pressure: 50 psi Working Temperature: -20 to 212 oF Capacity: 2×50 bbl Other Features: Uninterrupted Sight glasses cover made of glass Gas vent line equipped with double check valves. Protected by a separate relief line backed up by a rupture disc Audible high and low level alarms. H2S & CO2 Services	4
Well Test Laboratory	Equipped with: Zone II hazardous areas Cabin Gas density measuring device (Ranarex) Oil density measuring device (Hydrometer) Dead weight tester Pressure chart recorder Pressure electronic reader and recorder Spin drier (centrifuge) Water analysis kit PH Meters Manometers Thermometers H2S and CO2 Measurement Tube (Gastec) Manometer for Barton calibration	3

MULTI-PHASE FLOW METER SKID MOUNTED(MPFM)

MPFM device is a non-intrusive inline system providing real time measurement of oil, meter & gas flow rates, avoiding the use of large systems based on phase separation.

MPFM of this company is radioactive model, so the device adds flow density measurement & provides a higher level accuracy.

ITEM 1

Multiphase flowmeter type HS DN 4" API #5000 RTJ; body and flanges; ID = 42 ,58; venturi $\beta = 6 ,0$.

ITEM 2

Multiphase flowmeter type HS DN 3 ,1 API #5000 RTJ; body and flanges; ID = 42 ,58; venturi $\beta = 6 ,0$. The Multiphase flowmeter HS is proposed in the following configurations:

- A) Materials in DUPLEX F51
- B) Skid Mounted MPFM with in/out Flanges DN 4" and DN 2" API #5000 at Skid Edge.
- C) Radioactive Gamma Source
- D) NIR Water Cut Optical Module (Probe and Electronics Enclosure (Ex d)

► MPFM key features:

- Compact design: reduced space and weight, small footprint and no requirements for upstream or downstream straight pipe length.
- No special requirement for upstream pipe geometry, calibrated at the factory.
- Field tested by major oil and service companies worldwide.
- Robust and reliable components with wide temperature operating range.
- It will work in all flow regimes. Low sensitivity to variation in oil properties, not influenced by presence of H₂S or CO₂.
- High flexibility: used for onshore and offshore applications such as individual well monitoring, production optimization, fix and mobile well testing.
- Fast gamma densitometer.
- Near infrared probe for water cut measurement.
- Low power consumption.



DOWNHOLE TESTING SERVICES (FBDTS)

OEOC provides reliable data for establishing reservoir characteristics, predicting reservoir performance and diagnosing formation damages in difficult or challenging conditions such as HPHT, high flow rate using, high technology

downhole testing tools, 15k working pressure, 350 ° F working temperature for 13 3/8, 9 5/8, 7 & 5 inch casing size, 8 6 3/8 open hole size.

► The basic downhole test tools required for a well test:

PPS or MEGA-P Gauges Hydraulic JAR Slip Joint RH. Safety Joint
MRCV Packer
AORV Perforated Joint
DSBV Mule Shoe
LPR-N TTV
POTV
N2 Chamber ARTS
Safety Joint Over Shut DHSV
Gauge Carrier
6 3/8" Openhole Inflatable Packer



MECHANICAL DST / RTTS SERVICES

OEOC designs Drilling Stem Test (DST)& RTTS to achieve client's test objective economically by full package: 13 3/8", 9 5/8" and 7" size.

Drill Stem Test Tools delivers the right answers for determining reservoir pressure permeability and productivity.

Item	Description	Qty	Size(in)
RTTS Packer	RTTS, Retrievable Test Treatment Squeeze Packer Connection: Top: 4.5" API IF Thread Bottom: 4.5" API IF Thread	1	13 3/8
	RTTS Connection: Top: 4.5" API IF Thread Bottom: 4.5" API IF Thread	2	9 5/8
	RTTS Connection: Top: 3-5" FH Thread Bottom: 3-5" 8FH Thread	2	7
	RTTS Connection: Top: 4.5" 8 RDEUE Thread Bottom: 2 7/8" 8RD EUE Thread	2	7
MDST	MDST Package	2	9 5/8
		2	5



► Coiled Tubing Services

OEOC coiled tubing section offers innovative intervention services conveyed on coiled tubing to improve well and reservoir performance.

Coiled Tubing Services Include:

Acidizing → Nitrogen Lift → Drilling → Jetting → Washing → Fishing / Milling
Cement Plug → Solids Removal → Well Cleanouts → Displacement → Install Packer

► OEOC own 3 Coiled Tubing Units with following specification:

Description		Qty Serva 212	Qty Hydra Rig 211	Qty Hydra Rig 210
CT Reel	OD	1.5"	1.5"	1.5"
	Thickness	0.109"	0.109"	0.109"
Injector	Pulling Capacity	800000 lbs	80000 lbs	100000 lbs
	Snubbing Capacity	40000 lbs	40000 lbs	40000 lbs
Gooseneck Radius		96 in	72 in	96 in



► Tubing Spooler

A spool is a device used for carrying continuous pipe or coiled tubing which comes in to a stand and coupled to a rotary power source.

It also mounted and coupled with comparative quick-ness, facilitating use for both transportation and operation at the well site.

NITROGEN LIFTING SERVICES

OEOC owns (2) 180K Zone II nitrogen unit that supplies gaseous nitrogen at flow rates up to 180,000 SCFH (3000 SCFM) and pressures up to 10,000 psig and also (2) N2 tanker with 5000 and 7000 gal capacity.

► Safety Feature

Oil Field Zone II Pyroban System Anti-static and Fire Resistant Belts Non-Metallic Fan
Coolant Over-Temperature Shutdown
Coolant Loss of Flow Shutdown Loss of Lube Oil Pressure Shutdown Emergency Shutdown
Over Pressure Shutdown
Over Speed Shutdown

Row	Description
CT 1	OMax. Pressure Rate
2	Min & Max Flowrate



SLICK LINE SERVICES

We provide a comprehensive range of services for cost- effective operations, with types of services (routine slick line to heavy duty services).

Operation is performed in high pressure, high temperature well environment with working pressure up to 10,000 psi.

Our slick line package includes:

Double Drum Winches (3 Truck Mounted & 2 Skid Mounted) Smart Display (Data Acquisition)

Full Range of Pressure Control Equipment Include: Stuffing Box, Lubricator and BOP Full Range of Running and Pulling.



WELL HEAD SERVICES

OEOC offers a comprehensive suite of wellhead products and services as follows: Conventional Wellhead Equipment:

WFT and National, API 6A Wellhead Products Completion Wellhead Systems: Unitized Wellhead Systems Mud line Suspension Systems Gate Valves:

API 6A Gate Valves Field Services Installation, Maintenance and Repairs.

Set and unset BPV (Back Pressure Valve) & 2 ways by lubricator with working pressure 3000 psi or 5000 psi or 10000 psi

Row	Equipment	Qty.	Specification
1	Lubricator	2	Working Pressure: 3000psi- 5000psi
2	Tools box	1	



HORIZONTAL DIRECTIONAL DRILLING

Horizontal Directional Drilling equipment, known as HDD, is used for the trench less installation of pipelines for gas, oil, water, sewage, power cables and communication services all over the world. The product range covers the whole ranges of equipment for these applications.

For alluvial soils as well as for rocky conditions, HDD is the right method to install a prefabricated pipeline fast and cost- effective underneath obstacles.

Experience: 14Years, River / Road Crossing Drilling

Specification: Herren Knecht Made in Germany/250 Ton

Performance: 5 x 36" Steel Pipe (Oil & Gas) -

5 x 4" Steel Pipe (Fiber) – 3 x 18 "Steel Pipe

3 x 30" Steel Pipe P (Fiber) –2 x 24 "Steel Pipe

3 x20" Steel Pipe



No	Name OF Project	Client	Contract No
1	Exploitation Three Coiled Tubing Machines and Technical Services	National Iranian South Oil Company	53-74-1994
2	Wells Recovery Services in Yaran Shomali Oil Field	Persia Oil and Gas Industry Development Co	74-96/10158
3	Testing and Acidizing in Azadegan Oil Field	Tadbir Petro Energy	1397-177
4	Casing Running Services in Lavan ,Siri and Qeshm	Iranian Offshore Oil Company	FGI-3-97-5221
5	Well Head Services	Drilling International Company – (DCI)-Siri	SI-9-CO-007
6	Slick Line Services	Persia Oil and Gas Industry Development Co	74-98/10276
7	Drilling Services	Persia Oil and Gas Industry Development Co	74-99/10334
8	Integrated Drilling Operation in Ramshir Project (IDS)	National Iranian Oil Engineering and Construction Company	PR-OI-OC-9810-DR-CN-0019
9	Exploitation of Integrated Operation and Oil Engineering in order to Drilling in Ramshir Project (IPS)	National Iranian Oil Engineering and Construction Company	MIAS-OI-OC-9810-PM-CN-0024
10	Integrated Drilling Services in Mansouri Project (IDS)	National Iranian Oil Engineering and Construction Company	MIAS-OI-OC-9810-DR-CN-0014
11	Exploitation of Integrated Operation and Oil Engineering in order to Drilling in Mansouri Project (IPS)	National Iranian Oil Engineering and Construction Company	MIAS-OI-OC-9810-PM-CN-0017

TUBULAR RUNNING SERVICES

OEOC operates casing /tubing from small diameter tubing to 20" casing with owning one of the most complete tubular handling tool inventories in Iran.

OEOC casing running started the activity since 2010 and during this period it has been operating in several contracts for well-known clients such as: (POGIDC, DANA, IOOC, OEID, etc.).

OEOC casing running department benefits from updated equipment, highly skilled human resources in order to delivers high quality services to its clients.

OEOC casing running fleet is equipped with torque monitoring system, pneumatic spider elevator & slips elevator, elevator side door, slips type elevator, power tong with backup tong, belt tong, electric and diesel power units, etc., capable of performing 3 operation "simultaneously in different size from 30" to 2 3/8.





OEOC'S DRILLING OPERATION AND RIG SERVICES HILIGHTED PROJECTS

No	Name Of Project	Client	Location
1	Supply of onshore full crew drilling unit in Mansur Abad Oilfield	PEDCO	Mansur Abad Oilfield
2	Supply of onshore full crew drilling unit in Sepehr-Jufeyr Oilfield	PECO	Sepehr-Jufeyr Oilfield
3	Integrated Logistic services in Ramshir Oilfield	OIEC	Ramshir Oilfield
4	Integrated Logistic services in Mansuri Oilfield	OIEC	Mansuri Oilfield
5	Supply of onshorefull crew drilling unit in Bibi Hakimeh Oilfield	SEALAND	Bibi Hakimeh Oilfield
6	Supply of onshorefull crew drilling unit in Cheshmeh khosh Oilfield	PPL	Cheshmeh khosh Oilfield
7	Supply of onshore 2000HP full crew drilling unit in NISOC Oilfields	NISOC	NISOC Oilfields
8	Drilling and Completion 21 Wells in Mansouri Oil Field	NIOEC	Mansouri Oil Field
9	Drilling and Completion 11 Wells in Ramshir Oil Field	NIOEC	Ramshir Oil Field
10	Provision of One Drilling Rig in Maroon Drilling Project	IOEC	Maroon Oil Field
11	Repair of Well (No 4) and Drilling Well (No 21) in Azar Oil Field	Sarvak Azar	Azar Oil Field
12	Providing One Drilling Rig in Danan Drilling Project	Mapna Drilling	Danan Oil Field
13	Drilling 13 Wells in Iran South Fields	NISOC	South Of Iran Oil Fields
14	Drilling and Completion of Azar Well (No 19) in Azar Oil Field	GPTK	Azar Oil Field
15	Completion of Well (No 8 and 17) in Azar Oil Field	Sarvak Azar	Azar Oil Field
16	Completion of Azar Well (No 11) in Azar Oil Field	KPE	Mehran-Ilam

OEOC'S EPD PROJECT

No	Name Of Project	Client	Location	Duration
1	Drilling and completion of 2 wells and suspension of 4 wells along with supply of repair items for 4 wells in the form of EPDS	PPL	South Azadegan Oilfield Persian Gulf	2 Years

OEOC'S INTEGRATED DRILLING SERVICES RECENT PROJECTS

No	Name Of Project	Client	Location
1	Providing Tubular running Services in Qeshm, Siri and Lavan oilfields	IOOC	Siri and Lavan oilfields
2	Providing Integrated Production Services in Mansuri oilfield	OIEC	Mansuri oilfield
3	Providing Integrated Production Services in Ramshir oilfield	OIEC	Ramshir oilfield
4	Providing Integrated Production Services in Azar oilfield	SAED	Azar oilfield
5	Providing Stimulation and well testing services in Azadegan oilfield	TDDC	Azadegan oilfield
6	Providing Integrated Production Services in Sulabdar oilfield	OEID	Sulabdar oilfield
7	Providing Integrated Production Services in Aban-WP oilfield	KKC	Aban-WP oilfield
8	Providing Integrated Production Services in Azadegan oilfield	PPL	Azadegan oilfield
9	Providing Coiled tubing Services in Marun oilfield	NISOC	Marun oilfield
10	Providing Tubular running Services in Sepehr-Jufeyr Oilfield	PECO	Sepehr-Jufeyr Oilfield
11	Providing RTTS / MDST Services in Azadegan Oilfield	TDDC	Azadegan Oilfield
12	Providing FBDST services in Azadegan Oilfield	NIDC	Azadegan Oilfield
13	Providing Surface and Downhole testing Services in Maryn 1-4 Project	NDCO	NDCO
14	Providing Tubular running and pumping Services in Sepehr-Jufeyr Oilfield	PECO	Sepehr-Jufeyr Oilfield
15	Providing Tubular running and stimulation Services in Sepehr-Jufeyr Oilfield	PECO	Sepehr-Jufeyr Oilfield
16	Providing RTTS / MDST/Well Test Services in Azadegan Oilfield	DANA ENERGY	Azadegan Oilfield
17	Providing Integrated Drilling Services in Ramshir Oilfield	OIEC	Ramshir Oilfield
18	Providing Integrated Drilling Services in Mansuri Oilfield	OIEC	Mansuri Oilfield
19	Stimulation services in Kabud oilfield	PEDEX	Kabud oilfield
20	ESP running services in North Yaran oilfield	POGIDC	North Yaran oilfield
21	Providing Integrated Production Services in Azar oilfield	SAED	Azar oilfield
22	Providing surface well testing Services in Kabud oilfield	PEDEX	Kabud oilfield
23	Providing Integrated Production Services in Azar oilfield	SAED	Azar oilfield
24	Providing stimulation services in North Yaran Oilfield	POGIDC	North Yaran Oilfield
25	Providing acidizing and well drilling services	ZNV	west Paydar and Abadan oil field



HSE MANAGEMENT SYSTEM

In OEOC we are particularly concerned issues such as health, Safety, Environment. "Safety First' and "No Harm to people, no. Damage Equipment and Environment" are our deep-rooted anxiety. We are very proud That the ISE culture in OEOC has established in Iran; such as succeed to achieve 600,000ManiHours free LTI in Surkhanski Seismic Project in Uzbekistan and 2,304,000 Man/Hours Zero LTI in Drilling and well Services Projects in Iran. In order to further improve and proceed with HSE objective, OEOC has implemented an Integrated Management System (IMS) in accordance with Quality Management System and in conformity with OGP guidelines and ISO 9001:2015 standards, and the Health, Safety and Environmental Management System.

IMS enables OEOC to better facilities continues improvement of HSE activities to provide sustainable protection against human, financial and environmental losses In addition, qualified HSE personnel are assigned to consult management on all aspects of Health, Safety and Environmental issues. This HSE team is responsible for developing and reviewing HSE procedures and monitoring contractor activities with periodical audits to ensure that all operations,includingcorporateactivitiesandprojectimplement, followandrespectHealth,Safetyand Environmental performance standards and applicable procedures in their workplace. In order to improve the effectiveness of the management System constantly, the Oil Exploration Operation Company is committed to management systems standards:

ISO 9001:2015

ISO 45001:2018

ISO 14001:2015

Across all organizational levels.

Integrated Management System (IMS) comply these issued standards by SGS (Switzerland) which are extended every year after auditing procedure.



To monitor leading indicators in 1403, a total of 11,964 person-hours of training in general and specialized safety education have been provided to personnel to perform tasks safely by HSE department.

In addition, a total of 343 drills, including BOP, H2S, Firefighting, Medevac, Oil spill and etc. have been conducted. 5774 periodic checklist inspections of equipment and operations were completed during this period, and over 500 HSE meeting on general and specialized safety have been provided to personnel to perform tasks safely by the HSE department.





CERTIFICATES



شماره: ۲۷۵۱۶۶
تاریخ: ۱۴۰۲/۰۹/۱۳

معاونت تولید، فنی و زیربنایی
امور پیمانکاران و مشاوران

سازمان برنامه و بودجه کشور

گواهینامه صلاحیت پیمانکاری

جناب آقای عبدالمهدی مجتهدی
مدیر عامل محترم شرکت اکتشاف نفت
شناسه ملی ۱۰۱۰۱۸۶۲۳۵۶

به استناد تصویب نامه شماره ۴۸۰۱۳/ت.۲۳۵۱/ت.مورخ ۱۳۸۱/۱۲/۱۱ هیأت محترم وزیران و اصلاحات بعدی، با توجه به احراز شرایط لازم و تأیید صلاحیت در سامانه جامع تشخیص صلاحیت عوامل نظام فنی و اجرایی، بدین وسیله صلاحیت آن شرکت برای انجام امور پیمانکاری به شرح زیر اعلام می گردد.

پایه	رشته	ظرفیت
۱	نفت و گاز	تعداد کار مجاز

این گواهینامه تا پایان دوره ارزشیابی و حداکثر تا تاریخ ۱۴۰۷/۰۹/۱۸ معتبر بوده و همواره ملاک اعتبار آن، اطلاعات مندرج در سامانه sajar.mporg.ir است.

پایه یک رشته «نفت و گاز» این شرکت در زیررشته «عملیات حفاری مواد هیدروکربوری» است و این شرکت مجاز است در زیررشته های دیگر رشته «نفت و گاز» پایه های پایین تر فعالیت کند.

- رعایت قانون برگزاری مناقصات، این نامه های اجرایی آن، ظرفیت کاری مجاز و بخشنامه شماره ۱۴۰۱/۷۳۰۳۹ مورخ ۱۴۰۱/۰۲/۲۱ با موضوع مدیریت تعارض منافع و جلوگیری از تئانی در ارجاع کار ضروری است.
- هرگونه تغییر در اطلاعات مورد استفاده در تشخیص صلاحیت به ویژه مدیر عامل، اعضای هیئت مدیره و افراد امتیازآور باید ظرف مدت سه ماه در سامانه جامع تشخیص صلاحیت ثبت شده و مورد تأیید قرار گیرد.
- هر قرارداد جدید باید ظرف مدت سه ماه پس از انعقاد و صورت وضعیت های جدید پس از تأیید کارفرما، در سامانه ساجات ثبت شود. وگرنه امکان استفاده از امتیاز قراردادهای در تشخیص صلاحیت های بعدی و آزادسازی ظرفیت وجود نخواهد داشت.

گواهینامه صلاحیت ایمنی پیمانکاران
Your job is as safe as you want
وزنه انشعاب حفونی و حفنی

در اجرای تبصره ماده ۲ آیین نامه ایمنی امور پیمانکاری، مصوب ۱۳۸۸/۱۲/۰۲ شورای عالی حفاظت فنی، صلاحیت ایمنی شرکت عملیات اکتشاف نفت

جناب آقای عبدالمهدی مجتهدی

شماره ثبت: ۱۸۶۰۲۱۱۸۵
تاریخ ثبت: ۱۳۸۱/۱۲/۱۱
شماره ملی: ۱۰۱۰۱۸۶۲۳۵۶
تاریخ ثبت: ۱۳۸۱/۱۲/۱۱

با موضوع فعالیت در زمینه زیر:

در کمیته تشخیص صلاحیت ایمنی استان مورد تأیید قرار گرفت. این گواهینامه با رعایت شرایط ایستاد و تحقیق در آیین نامه (محدود مندرج در دفتر گواهینامه) به مدت ۲ سال از تاریخ صدور اعتبار دارد و این گواهینامه قابل واگذاری نمی باشد.

مدیر عامل شرکت
جناب آقای عبدالمهدی مجتهدی

استان تهران

یازدهمین جایزه ملی مدیریت دانش KM AWARD

با هدف تقویت فرهنگ مدیریت دانش در سازمانها و ارتقای بهره‌وری و نوآوری

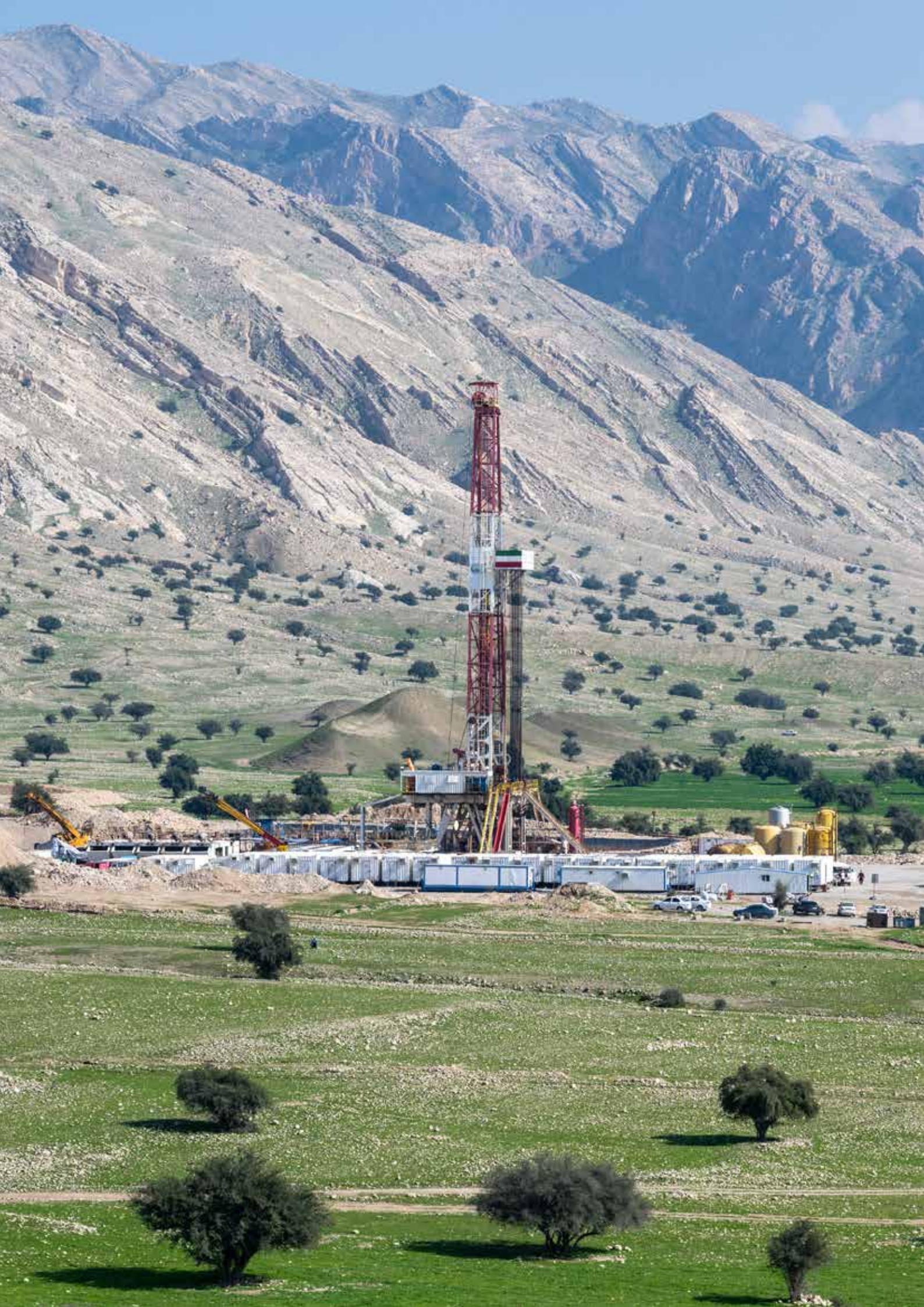
گواهی شایستگی مدیریت دانش

شرکت عملیات اکتشاف نفت

دانش راهبردی ترین دارایی سازمان برای دستیابی به اهداف و دستاوردهای استراتژیک است. پرونده دانش گنجینه ارزشمندی برای هر سازمان است. بدین مناسبت، هیأت مدیره شرکت اکتشاف نفت، با توجه به اهمیت و نقش مدیریت دانش در تحقق اهداف شرکت، به منظور تشویق و تقویت فرهنگ مدیریت دانش، به شرکت اکتشاف نفت، جایزه ملی مدیریت دانش را اهداء نمود.

امید است که شرکت اکتشاف نفت، با بهره‌گیری از این جایزه، به ارتقای فرهنگ مدیریت دانش و دستیابی به اهداف استراتژیک خود، گامی مؤثر بردارد.

دکتر محمد علی سلطانی





OIL EXPLORATION OPERATIONS COMANY

Headquarter: No 234, Talegani St,
Tehran, Iran.

Tell: +982141451000

Fax: +982188303206

www.oec.ir

