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PECO

# Pezhvak Energy

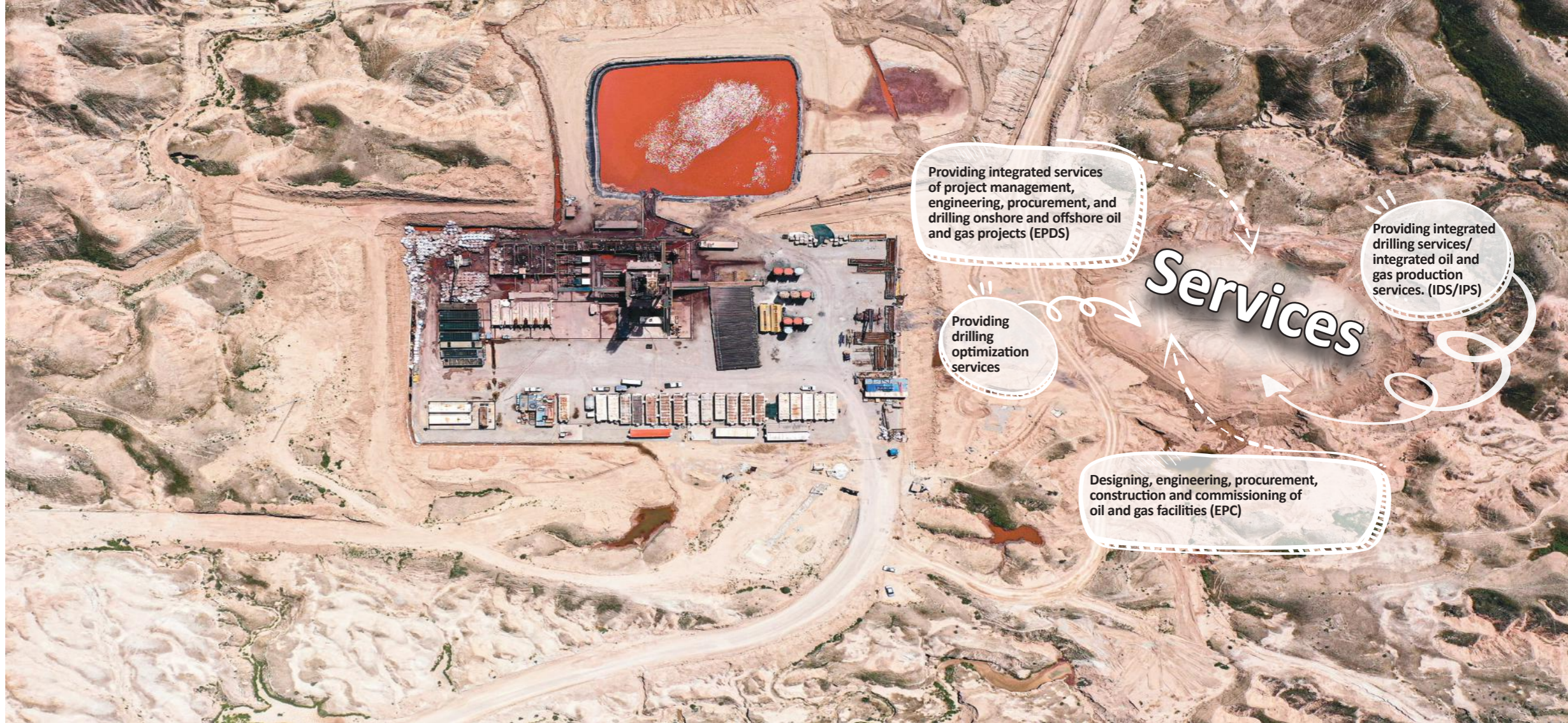
Engineering & Services Co.

Unstoppable Minds,  
Conquering Depths



# About Us

Our journey began in 2004 when PECO was established as one of the PEDC subsidiaries with the aim of providing logistics for offshore and onshore drilling operations. In 2017, the Company changed its mission to award integrated projects. Over the years, we have proceeded as a contractor to execute integrated projects including engineering services, procurement, drilling operations and technical services (EPDS). Deploying our onshore drilling rigs, we are delivering numerous highly efficient projects in exploration, development and production of oil and gas fields through our comprehensive knowledge, experience and highly competent human resources, taking into account the employee health and preserving the environment. PECO was established as a reliable and professional company in the Iranian drilling market within a short period of time since the start of its activities in the field and strive to expand its services beyond the borders.





# Elements of Strategic Planning in PECO

## Our vision

- To position ourselves as an excellent and innovative leading contractor focused on the execution of oil and gas drilling projects.

## Our Mission

As a private leading company in the oil and gas industry relying on expert human resources and benefiting from knowledge and new technologies, our mission is to:

- Create value for our shareholders and stakeholders
- Provide integrated project management and selected engineering services to our clients.
- Address our social and environmental responsibilities throughout our operations.

01

### sustainability and flexibility for change:

improving efficiency is a constant process for us, and to achieve this we are not only looking for the best innovations, but also welcome all creative and different ideas and solutions. Change makes us stronger.

02

### The Audacity to Thrive:

We are courageously seeking for the best business opportunities and we believe that healthy and professional competition makes us stronger.

## Our Values

03

### Create enduring values:

We are committed to doing the right thing in all areas, including safety, quality and productivity and also the environment. For us, the implementation of each project is a stage that leaves a lasting impression of our capabilities and commitment.

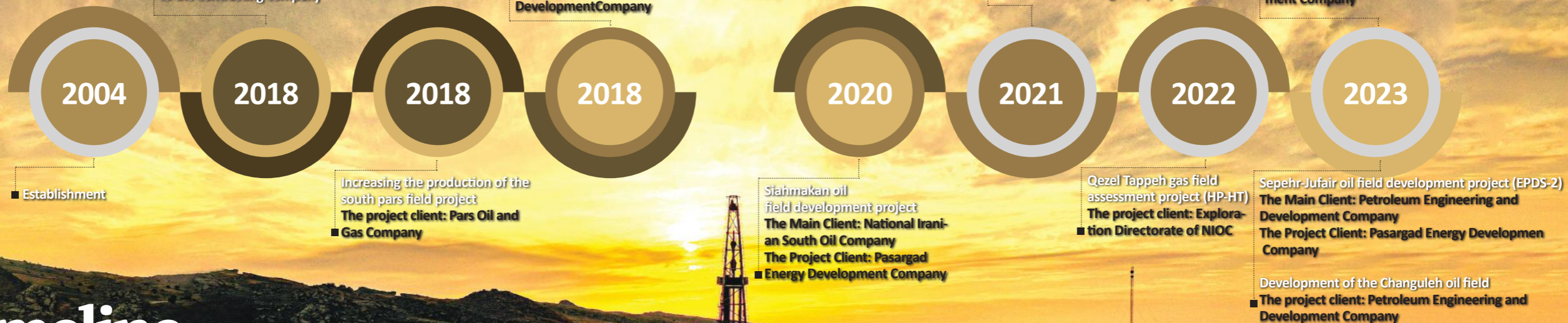
04

### Responsibility and accountability:

We will use all our determination to fulfill our commitments. Gaining the trust of all stakeholders and interacting effectively with them is our priority.

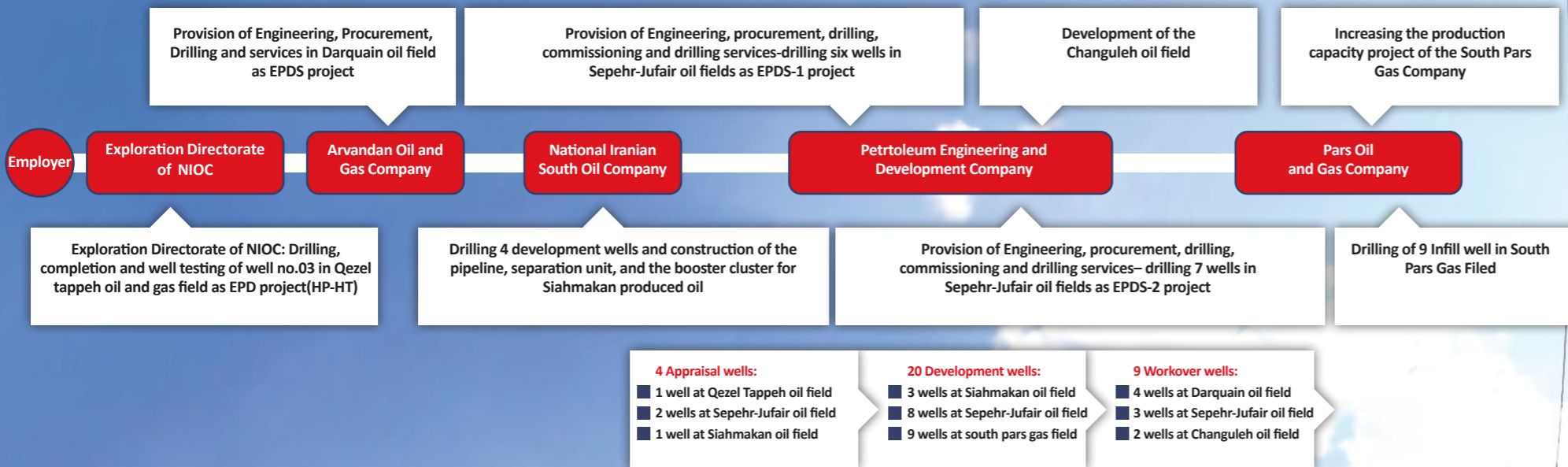


# Timeline





# PECO's performance in onshore and offshore drilling projects, installation and commissioning of oil and gas facilities at a glance





# Increasing the production capacity project of the **South Pars Gas Company**

PECO was in charge of provision of project management, financial management, procurement and warehousing, some technical and engineering services, and all logistics and support in the project.

**The client:** Pars Oil and Gas Company

**Project location:** phases 2,3,4 and 5 south pars field

**Contract type:** Partnership with the consortium of Pasargad Energy Development and Ostovan Kish Drilling Companies  
Delivery status: delivered

# Siahmakan oil field development project

Contract content: Drilling 4 wells as EPD and installation and commissioning of pipelines, separation unit, and the booster cluster for Siahmakan produced oil with the capacity of 10,000 barrels per day

**The Main Client:** National Iranian South Oil Company

**The Project Client:** Pasargad Energy Development Company

**Project location :** 10km south of Bibi Hakimeh and west of Kilverkarim oil field

**Contract type:** EPCDS

## The main achievements of Siahmakan oil field project

- Successful drilling and completion of three Bangestan new wells despite of having depth about 5000 meters, complicated technical issues and wellbore instability
- Setting a record of finishing drilling operation of 8 8/3 in hole section Siahmakan No. 8 well in less than 20 days, while average duration of drilling operation in this hole in previous wells was 114 days.
- Using new technologies in lost circulation control and prevention of several thousand barrels of mud loss



## Executing the EPD-EPC project

Drilling operation of 4 new vertical Bangestan wells with the approximate depth of 5000 meters

### EPD sector

1. Subsurface construction:
  - Detail designing, implementing and commissioning to complete wells locations
  - Construction of new well locations.
  - Construction of pipelines from new wells to the separation unit and booster cluster of Siahmekan oil with approximate length of 12.5 km.

### EPC sector

2. Detailed designing and commissioning of separation unit, and the booster cluster with the capacity of 10,000 barrels per day
  - Installation of a 12-inch subsurface gas pipeline with the approximate length of 17 km from separation and booster cluster of Siahmakan oil field to booster cluster of Bibihakimeh No.02
  - Installation of an 8-inch surface pipeline with the approximate length of 3 km from separation and boosting cluster of Siahmakan and connection to the 8-inch outlet pipeline of existing manifold of Siahmakan as well as required facilities.
  - Construction of 12 km of 66 kW single-circuit metal electric transmission line along with out door post in order to supply electricity to the separation unit and booster cluster of Siahmekan oil field.
  - Connecting existing wells to new separation unit and booster cluster of Siahmakan

## Sepehr-Jufair oil field development project (EPDS-1)

### Contract content:

Providing engineering, procurement, drilling operation and services as well as commissioning of other services/ drilling six Fahlian production wells in Sepehr-Jufair oil field as EPDS.

**The Main Client:** Petroleum Engineering and Development Company (PEDEC)

**The Project client:** Pasargad Exploration and Production

**Project location:** 60 km west of Ahvaz and 30km south of Susangerd, Khosetan province

**The contract type:** EPDS

### The complete implementation of the EPDS is as follows:

- Providing engineering, procurement, drilling operation, well completion, well testing and stimulation and all drilling services (EPDS) of 6 Fahlian production wells with pressure of 10000 kPa by using four 2000 HP rigs
- Sepehr No.02 and No.09 are delineation wells and Sepehr No.03 , 06, 08 and Joufair 07 are production wells. The drilling depth of every well is approximately 4650 meters and 27900 meters collectively.

### The main achievements of Sepehr-Jufair oil field project

- The continuous improvement of drilling efficiency and setting the best drilling time record among all drilled wells by different contractors in this field from the beginning of the project until now.
- Success in the manufacturing and running completion string with 10,000 Psi working pressure with the meticulous design and strict supervision of PECO on the relevant contractor company.
- Adherence to all safety and environmental standards resulting in record of 1011 working days without incident leading to LTI (from the beginning of the project until completion)
- Designing and implementing an innovative composition of completion fluid resulting in cost reduction of project

## Sepehr-Jufair oil field development project (EPDS-2)

### Contract content:

Engineering, procurement, drilling, completion, well testing, stimulation and all associated services EPDS contract for new llam wells and 3 workover wells in Sepehr-Jufair field

**The Main Client:** Petroleum Engineering and Development Company (PEDEC)

**The Project client:** Pasargad Exploration and Production

**Project location:** 60 km west of Ahvaz and 30km south of Susangerd, Khosetan province

**The contract type:** EPDS

### Project description:

4 New llam wells and 3 workover wells in Sepehr-Jufair Field



# Darquin oil field drilling and workovering project



## Contract content:

Contract content: Provision of engineering, procurement, drilling and services of 4 workover well in Darquin field (EPDS)

The Main Client: Arvandan Oil and Gas Company

The Project Client: Ostovan Kish Drilling Company.

Project location: 30 kilometers north of Khorramshahr and 100 kilometers southwest of Ahvaz, Khuzestan province

The contract type: EPDS

## EPD sector

The main purpose is to perform work over and completion of existing wells to produce from Fahlian formation for maintaining of production rate of Darquin field (darkhion 8, 9, 11) and waste water injection to Asmari formation in Darquin well No.2

## EPC sector

Executing comprehensive EPDS project as follows:

- Improvement of access road to all wells
- Repair and improvement of pits in all wells
- Development and improvement of concrete pads in all wells
- Construction and repair of burn pit in all existing wells

## The main achievements of Sepehr-Jufair oil field project

Successful implementation of triple casing perforation for the first time in Iran



## Drilling of 9 Infill wells in South Pars Gas Filed as EPDS project

### Contract content:

Drilling of 9 Infill wells in South Pars Gas Filed as EPDS project  
( SPD3, SPD19A, SPD20 and SPD7 platforms)

The Main Client: Pars Oil and Gas Company  
Project location: 100 km south-west of Assaluyeh  
The contract type: EPDS  
Project description:

- Drilling of 9 infill wells in 4 offshore platforms
- Installation of drilled wells to the production platform

# Development of the Changuleh oil field

## Contract content:

Study, engineering, procurement, installation and workover, completion, well testing and production of 2 wells in Changuleh oil field

**The Main Client:** Petroleum Engineering and Development Company (PEDEC)

**Project location:** 35 kilometers southeast of the city of Mehran, Ilam province

**The contract type:** EPDS

**Project description:**

- repair and completion operations of 2 wells in Changuleh oil field
- Testing and commissioning operations of 2 wells in the Changuleh oil field

# Qezel Tappeh gas field assessment project (HP-HT)

## Contract content:

Assessment of Qezel Tappeh oil field well No.03

**The Project client:** Exploration Directorate of NIOC

**Project location:** 20 km northwest of Gonbad-e kavus county, Golestan province

**The contract field:** provision of Engineering, procurement, drilling and services

**Project type:** EPDS

**The project description:** Drilling to the depth of 5000 meters with the pressure of 15k and temperature of 320 ° F





# PECO assets

- A 2000 HP onshore drilling rig
- The support base spans 27760 square meters with various warehouses totaling 2240 square meters



Qezel Tappeh gas field assessment project (HP-HT)

Golestan

Ilam

Development of the Changuleh oil field

Sepehr-Jufair oil field development project (EPDS1-2)

Ahwaz

Darquin oil field drilling and workover project

Siahmakan oil field development project

Bushehr

Drilling of 9 Infill wells in South Pars Gas Filed as EPDS project

Persian Gulf

Increasing the production capacity project of the South Pars Gas Company

Pars Epecial Economic Zone

Asaluyeh