

Nadin Petro Core Kish Company Profile

HELPING OUR CUSTOMERS
ACHIEVE SUPERIOR RESULTS





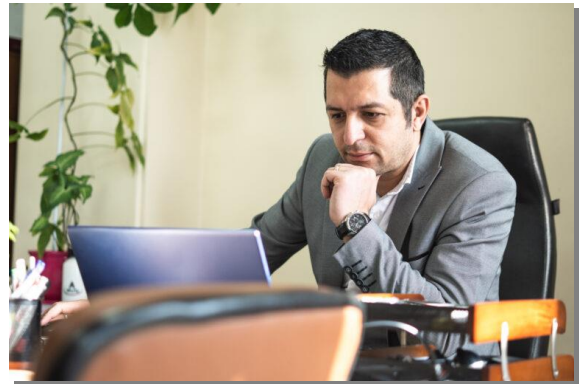
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Real Partner

CEO Message

Establishing close relationships with our clients is a key element to reaching total solutions. We cultivate each client relationship from the initial concept to completion, often maintaining this contact year after a project is finished.



We believe successful consulting is achieved through a balance of significant experience, a working knowledge of today's best practices, and access to cutting edge technology.

We are proud of the quality of services and our responsiveness to client schedules. These are the keystones to our business and long-lasting client relationships.

Our people have never shied away from hard work or difficult tasks. We continue to believe that our services and the value they add to our customers' businesses remain the fundamental elements of our continued success.

A. Badsar

Chief Executive Officer

Introduction

Nadin Petro Core Company (NPC) as a Drilling services company & subsidiary company of MAPSA holding established in 2009 to concentrate specifically in providing Conventional & Advanced Coring Services & Core Analysis.

Since 2016, The company has begun to prepare the necessary infrastructure to providing Field Development Studies.

NPC by more than 8,000,000 \$ investment in equipment and tools of the latest technology and also recruitment of highly qualified personnel has been able to successfully undertake important projects.

NPC's main office located in Tehran and its workshops located in Kish Island free zone, Najafabad Industrial city & Ahvaz city.

We seek to become the best core driller of choice for the customer who demands professional services.



Our Goals

We understand that our customers are judged by the highest standards of quality and service. The facilities they care for are expected to be up to date and applicable - an ever-changing, never-ending challenge. We, the people of NPC promise to be a full partner in helping our customers meet and exceed these expectations.

Our goal is to simplify the Jobs of our customers.



Our Vision & Mission



VISION:

To be the global coring contractor of choice by delivering world-class core drilling solutions.

MISSION:

To perform and deliver safe and efficient drilling solutions for our customers worldwide.

CORE VALUES:

Integrity:

We build trust by conducting our business with the highest ethical standards.

Agile:

We continuously adapt and make improvements to our business without compromising on safety, efficiency and effectiveness.

Customer Focused

We deliver high quality solutions tailored to the requirements of our customers.

Respect:

We value and respect our partners, employees, customers, contractors, communities and the environment by conducting business in a socially responsible manner.



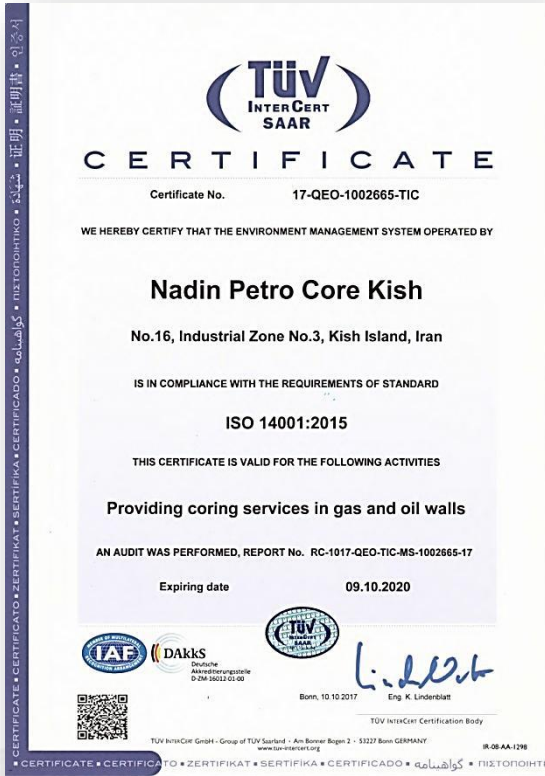
Quality

NPC has established a Quality Management System based on the requirements of ISO 9001:2015.

We are aggressively committed to maintain and develop our quality system, primarily since we intend to be ranked as the "best" in our business.

The objectives of the NPC management system are closely related to:

1. Recognizing who our clients are and what they want, through open communication.
2. Understanding the requirements of our jobs and the systems that support us through training.
3. Making continual improvement in every job through the use of team synergetic cooperation.
4. Ensuring that in practice we follow our policy and procedure manuals in letter and spirit.



Health, Safety & Environment

NPC policy is to conduct business in a manner that protects people, assets, intellectual property, and the environment. This commitment is facilitated through a management system for Health, Safety, Environment, and Security that promotes

1) Safe working environment, equipment shall be provided through proper design, operation and maintenance of plant, equipment and facilities.

2) Measurable goals and plans for continual improvement aimed at zero incidents; conservation of energy, water and other resources; reduced emissions; and the prevention of pollution.

3) Integration of Health, Safety, Environment, and Security matters into all business activities.

4) Identification and effective management of Health, Safety, Environment, and Security risk

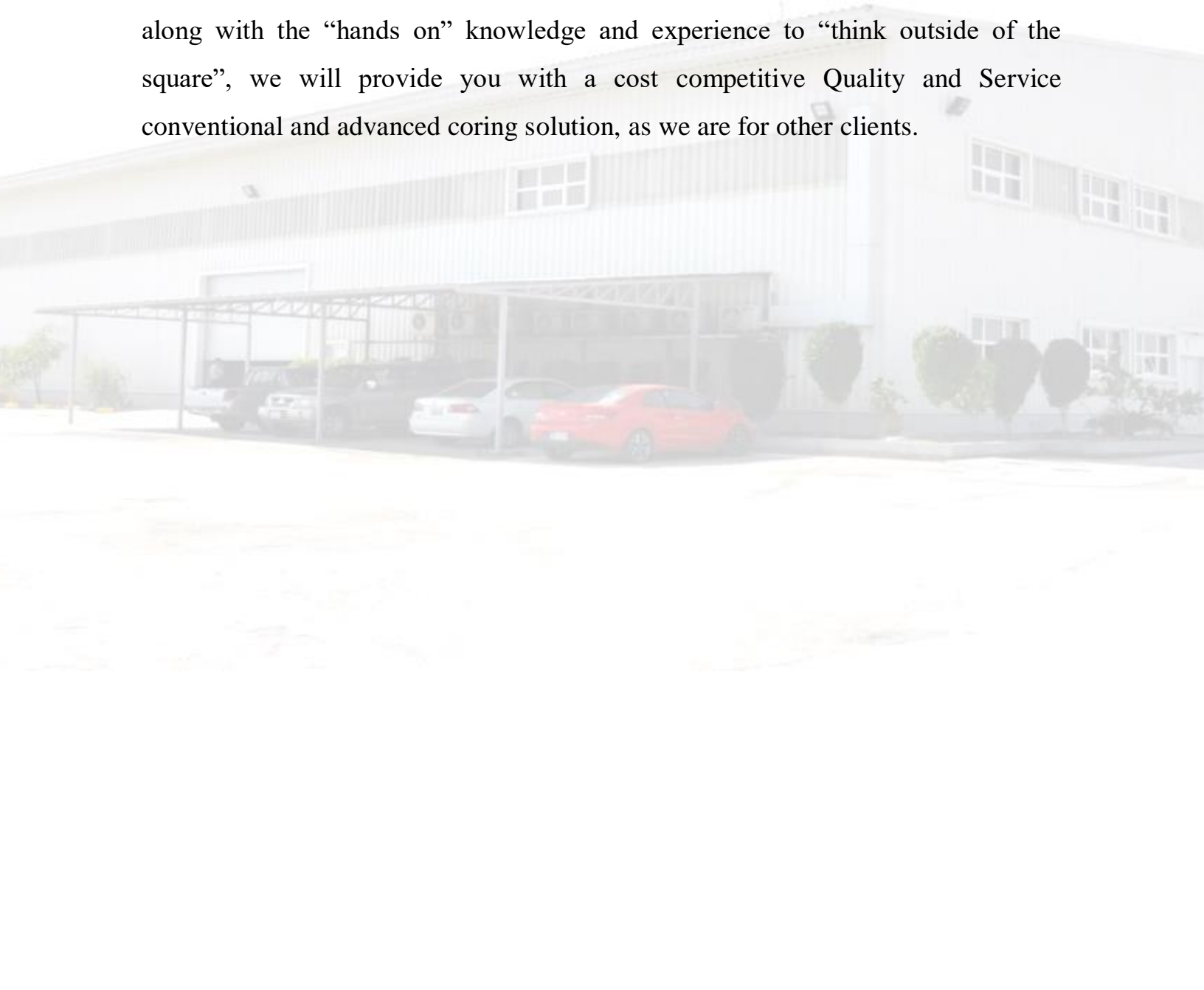
5) We always emphasize our high HSE standards of conduct when dealing with customers, suppliers and other stakeholders. Compliance with applicable laws and regulations is only a minimum requirement.



People

We have secured by scrupulous selection what we consider the industry's best Coring team in today's competitive drilling market. This allows us to provide only experienced and industry proven coring engineers and support staff to your projects. NPC company will only provide suitably experienced and trained personnel to your sites and projects including field staff and management with related certificates for all situations.

With modern equipment, High quality management team, experienced field staff, along with the "hands on" knowledge and experience to "think outside of the square", we will provide you with a cost competitive Quality and Service conventional and advanced coring solution, as we are for other clients.



Our Services

CONVENTIONAL CORING SOLUTIONS:

NPC conventional coring service incorporates equipment and components which, manufactured with the highest standards have delivered proven results. With our new swivel assembly, plus the anti-jamming features, we have garnered a best-in-class 95% average recovery rate for all areas of the world in which we operated.

Our core barrels cover and provide the full range of conventional coring solutions for our customers.

The DB core barrel family based on the more traditional 30 ft. heavy duty, modular sections utilizing industry standard disposable Inner Barrels.

A wide variety of core catcher options are available beyond the standard spring type along with a full range on Inner Barrel options, covering all types of conventional coring operations.

The outer tubes are fabricated from 4145H to provide durable and reliable service.



ADVANCED CORING SOLUTIONS:

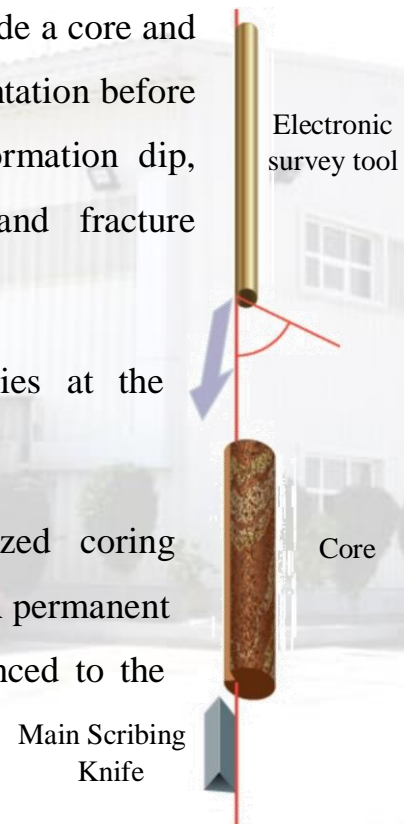
Our advanced coring services have evolved – and continue to evolve – because we know that core quality is key to shaping operational plans and investment. They comprise of dedicated tools, technologies and techniques that provide specific solutions to more complex coring challenges, taking coring to a new level of excellence, and meet the standards demanded by the modern-day industry.

Oriented Coring:

The NPC Oriented Coring service is designed to provide a core and data relating to the core that indicates its original orientation before it was removed from the reservoir. This allows formation dip, strike, directional permeability, principal stress and fracture alignment to be determined.

A better understanding of the shape and properties at the reservoir structure is obtained.

The NPC Oriented Coring service uses specialized coring equipment in conjunction with surviving equipment. A permanent reference mark is scribed on the core and is referenced to the survey information obtained.



Long Barrel Coring:

The NPC Long Barrel Coring service is designed to maximize the efficiency of coring operations. This service enables cores of between 90' and 360' to be cut on one coring run. Long Barrel coring greatly reduces the number of trips required to core a given interval. This significantly reduces rig time for the well 's coring program.

The NPC Long Barrel Coring service matches formation characteristics to specialized coring equipment to enable long lengths of core to be cut without jamming.

Unconsolidated formations coring:

The NPC Unconsolidated Formation Coring service is designed to enable a high percentage of core recovery to be achieved in soft, friable and unconsolidated formations.

This service matches formation characteristics with specialized coring equipment and techniques that have been developed to achieve success in these applications.



Sponge Coring (near future plan):

The NPC Sponge Coring service utilizes coring equipment and specialized techniques to produce an exceptionally high quality core. This core yields petrophysical data of an accuracy not available from other formation evaluation techniques.

Sponge Core samples provide a measure of:

- Oil Saturation
- Water Saturation
- Permeability
- Relative Permeability
- Wettability
- Capillary pressure
- Identification of secondary and tertiary recovery
- Oil/water contact sand transition zones.
- Depleted zones within a given formation.
- Foot-by-foot analysis permits identification of thin zones heterogeneity.
- Oil wet sponge liner absorbs oil produced by core enabling identification of mobile oil zones.
- If trace is used, it measures the amount of fluids flushed during the coring by drilling mud.

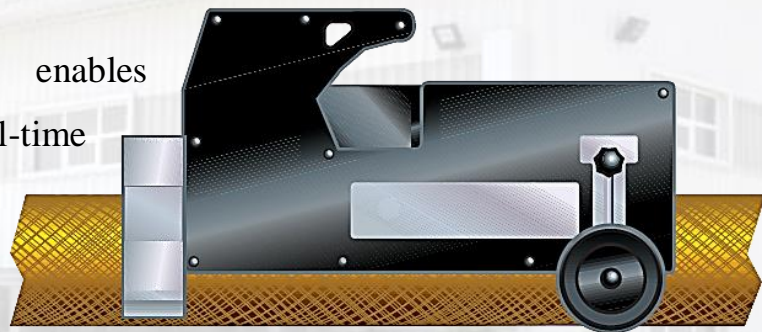
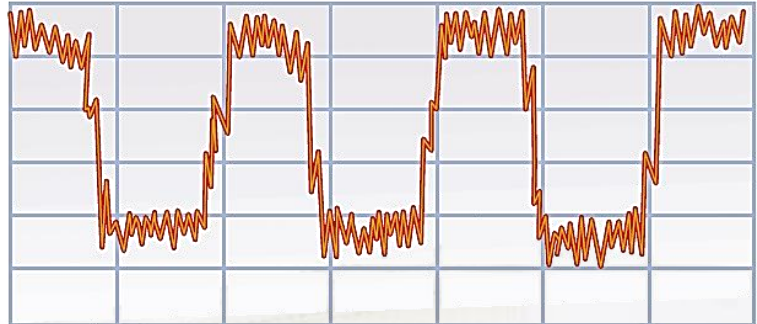


Portable Core Gamma Logging:

The Core Gamma Logger provides a genuine breakthrough in core analysis at the well site. The Core Gamma Logger is a portable device that provides gamma ray logs immediately after the core has surfaced and been cut. It is mainly used to correlate cored sections with anticipated lithology by delineating shale from non-shale sections.

All rocks contain natural radioactive material, but shales have much higher gamma emissions than others such as sandstone or limestone.

Reliable on-site analysis enables operators to make quick, real-time decisions on further coring, testing and well completion activities.



Gypsum Preservation Service:

The Gypsum Preservation Service prevents core damage during surface handling and transportation by stabilizing the core within the tube, ensuring the integrity of core analysis. This preservation mixture is completely safe for handling and disposing and doesn't affect any core petro-physical properties, including wettability.



Foam Preservation Service:

It is widely acknowledged that core stabilization is the only measure that prevents damages to the core during its transportation from the field to the lab.

The process was developed by NPC as an alternative to the stabilization of core using foam. The method consists of introducing a closed cell foam into the annulus between the core and the inner liner. NPC consider that this method has several advantages over alternative stabilization methods. These advantages range from the practical application of the method, which is more robust and less dependent on variables such as ambient temperature and time constraints through to flexibility of the method.

Wax Preservation Service:

NPC Core Preservation Services allow improved accuracy in core analysis by preserving core characteristics by immersing the core in a bath containing a preservation wax. The wax provides a high level of protection by furnishing a complete hermetic seal against invasive contamination and helps maintain the physical characteristics of the core sample. Due to this increase in core data quality, our wax dip preservation of full gauge core and core plug samples is now a standard pre-requisite for many companies involved in the hydrocarbon exploration industry.



Our Projects

Name of Client	Project	Type	Metrage of Coring	Max Barrel	Max Length	Max ROP m/hr	Recovery
POGC (Pars Oil & Gas Co.)	Golshan Field – Well #G4	Long Barrel	354m	8	60m	3.2	90%
POGC (Pars Oil & Gas Co.)	Golshan Field – Well #G5	Long Barrel	516m	10	92.5m	10.57	100%
PPL (Petro Pars)	Phase 12 – SPD 12C	Long Barrel	450m	8	60m	3.4	90%
POGC (Pars Oil & Gas Co.)	Ferdosi Field – Well #F3	Highly Fractured	280m	3	27m	15	72%
DDC (Dana Drilling Co.)	Phase 16-08	Long Barrel	402m	11	100m	9	100%
IOOC (Iranian Offshore Oil)	Soroosh-Ghar SR-31	Loose Sand	58m	2	18m	60	85%
IOOC (Iranian Offshore Oil)	Soroosh-Burgan SR-31	Loose Sand	160m	3	27m	21	100%
POGC (Pars Oil & Gas Co.)	Phase 18A-08	Long Barrel	402m	9	83.5m	8.3	100%
IOOC (Iranian Offshore Oil)	Aboozar– Ab-018A	Full Closure Coring FCS	177m	3	27m	57.5	100%
PGFK Co (POSCO)	Phase 13- A-08	Long Barrel	377m	12	110.57 m	8	100%
Global Petro Tech FZCO	SPO- C-Pilot	Long Barrel	177m	4	37.6m	9	100%
PGFK Co	Phase 13- C-05	Long Barrel	251m	10	92.5m	8	100%
Petro Pars Ltd Co.	Farzad Field-A-03	Long Barrel	310m	6	54m	6	100%
OIEC	South Pars-Phase 21-08	Long Barrel	407m	7	63m	7	100%
GPT-SAED	Azar Field – Azar 7	Conventional	30m	3	12m	1	83%
POGC-NIDC	Phase 1 – SPD01-B14	Conventional	4m	3	4m	0.65	74.5%
IOOC (Oriented Coring)	Salman Field- Well 2S-57H	Oriented	150m	4	36.6m	7.2	100%
DDC (Dana Drilling Co.)	Nasrabad	Salt Dome	1600m	6	55.5m	40	100%
IOEC	SouthPars Field- SPD14B-08	Long Barrel	180m	8	69.1m	6	100%
IOOC (Iranian Offshore Oil)	Soroosh Field- Loose sand SR-33	Loose Sand	165m	3	28m	30	98%
PSH (Petro Sanat Haffar Co.)	South Azadegan Field- Well APP-3	Conventional	390m	3	28m	4	90%
PSH (Petro Sanat Haffar Co.)	South Azadegan Field- Well APP-6	Conventional	313m	3	28m	30	98%
Iraq - GYP	Iraq-Khurmala Field- Well K-449	Oriented	27m	1	9m	4	100%
Iraq - GYP	Iraq-Khurmala Field- Well K-448	Full Closure Coring FCS	18m	1	9m	7	100%
Iraq - GYP	Iraq-Khurmala Field- Well K-448	Conventional	18m	1	9m	7	100%
Iraq - Optimum	Iraq - Avana-Wl-01	Conventional	54m	2	18m	7.2	100%
NISOC	Ahvaz Field-Well#513	Conventional	108m	3	27m	5	100%
NISOC	Koupal Field-Well#62	Conventional	124m	3	27m	10	100%
NISOC	Shadegan Field-Well#32	Long Barrel	308m	4	36m	6	100%
NISOC	Mansourabad Field- Well#15	Long Barrel	380m	4	36m	7	100%
DDC	Nargesi Field- Well#NI12	Conventional	203m	3	27m	6	100%

NISOC	Zilai Field-Well#15	High Fractured	108m	3	37m	5	100%
PECO	Yalda Field-Well#	Fractured	186m	7	63m	3	90%
DDC	Nargesi Field- Well#NI13	Conventional	183m	3	28m	4	100%
DDC	Nargesi Field- Well#NI13	Conventional	151m	2	19m	5	99%
SARVAK	SaadatAbad Field- Well#	Conventional	90m	3	28m	5	100%
PGFK	Lali Field- Well#LL037	High Fractured	181	3	28m	4	94%
TDDC	Jofair Field-Well#JR06	Conventional	120	3	28m	6	100%
PECO	Siyah MakanField-Well#	Conventional	195m	3	27 m	8	99%
OEID	Solabedar-Well #W017N	Conventional	335 m	3	27 m	5.56	96 %
IOEC	South Pars-Well# SP-16	Conventional	183 m	8	72 m	7.08	96 %
TDDC	Jofair Field-Well#JR08	Conventional	96 m	3	27 m	3.75	94 %
TDDC	Sepchr Field-Well#SPH07	Conventional	49 m	2	18 m	13.34	96 %
PECO	Sepchr Field-Well#SPH06	Conventional	39 m	3	27 m	42.82	89 %
OEID	Solabedar Field-Well#W017N	Conventional	35 m	3	27 m	6	96%
PEDCO	Mansoorabad Field-Well#W085N	Conventional	52 m	3	27 m	4.50	100%
PEDEX	Darkhoir Field-Well#DQ-37	Conventional	36 m	3	27 m	3	100%



Workshops





**Coring Technology
Company**

General Information

www.npckish.com

Sale Information

Info@npckish.com

NPC Support

+98(912) 838 59 62

Telephone

+98(21) 43 64 90 00

Fax

+98(21) 88 62 96 23

Postal Address

No. 5, West Emdad Ave.,
North Sheikh Bahaei Str.,
MollaSadra Str., Tehran, Iran.