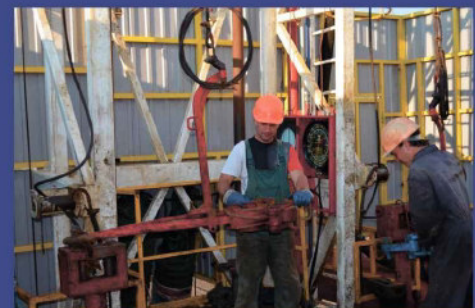
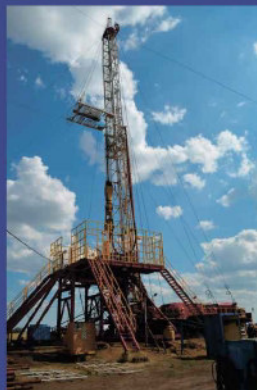


NMP «TECHNICS» Private multisectoral enterprise «TECHNICS»



Private multisectoral enterprise «TECHNICS»

Formed on December 14, 2000 in Poltava, UA The company had been increasing pace of development over the years, expanded the list of works and services available to clients.

The main priority of our work is a precise performance of contractual obligations within the limits of deadlines at all stages of cooperation, and high quality of works execution.

We developed and tested schemes of mutually advantageous cooperation with business partners. The company has got the appropriate licenses and permissions to perform works, the list of available works and operations is constantly updated.

Over the years the company to increase the pace of its development, to expand the list vypo lnyaemyh works and services. The main priority of our work for us is a clear contractual obligations as planned at all stages of cooperation and high quality of work, as well as worked out various schemes mutually beneficial cooperation.

The company has the appropriate licenses and permits to perform work permanently updated with a list of works.

To achieve the objectives the organization has sufficient experience, leading experts have scientific degrees, work experience in the industry 20-30 years.



Services

Operations connected with oil and gas production.

1. Workover

- replacement of pump-compressor pipes
- restoration of wells
- shifting to packer method of operation of wells
- intensification of production
- waterproofing
- shifting to mechanical method of extraction
- work with coiled tubing units
- preparation and carrying out of hydraulic fracturing
- running the full range of fishing operations, milling, recanalization of the columns etc.
- oil well drilling
- well-drilling of operational and exploratory holes depth to 4500 m
- sidetracking, multilateral wells deviated wells and shafts, also well-drilling with output on the horizontal.

2. water drilling

3. Construction of facilities of producing natural gas, condensate and oil.

4. Maintenance of wells using nitrogen sets, cementing outfit, acid aggregates, sets of wells' dew axing.

5. Cementing of casing pipes. installation of cement bridges in wells.

6. Optimization of oil and gas extraction with using of booster compressor stations, and turbo-expander aggregates.

7. Running of wells with low seam pressure and accumulation of fluid in the stall using nitrogen membrane utilities.

8. Geophysical works – a full range



Services

Providing services of engineering, construction, energetic survey of facilities.

1. Design of architectural objects
 - engineering structures, internal and external engineering networks and systems.
2. Construction and assembly of
 - oil and gas industry facilities
 - municipal engineering structure
 - agricultural objects.
3. Installation of infrastructure:
 - buildings, external and internal networks and systems.
4. Construction the objects of transport.
5. Construction engineering
 - inspection and assessment of buildings, facilities and communications.
6. Services of prime contractor in construction.



ACTIVITIES

Drilling of wells, drilling of deviated and horizontal wells

Drilling of wells is a process of breaking the rock, using a special equipment - drilling equipment and special tools.

Types of operations:

- 1) well-drilling of operational and exploratory holes depth to 8000 m
- 2) drilling of deviated wells, horizontal wells multilateral wells.
- 3) sidetracking, slant-hole wells, horizontal wells.
- 4) drilling of degassing wells and shafts.
- 5) water drilling.
- 6) additional operations/ descent, cementing and testing of columns; launching of wells

Rigs Fleet

- 1) Drilling Rig capacity of 450 t – 1 pc
- 2) Mobile Drilling Rig capacity of 225 t – 2 pcs
- 3) Mobile Drilling Rig capacity of 180 t – 1pc
- 4) Other equipment necessary for the drilling



ACTIVITIES

Design works and construction-and-assembling operations

Engineering and construction-assembling operations

- Designing, manufacture and installation the metering points of gas, heat, water (consumer and industrial).
- Designing and construction of external and internal networks (gas pipelines, water supply, power systems , heat supply, ventilation and air conditioning) of buildings, constructions and settlements.
- Routing of pipelines and networks by cut-and-cover method and by close method on long segments by horizontal drilling using highly effective equipment of top manufacturers that allows us to pass streets and roads without breaking and recovery of the road cover.
- Examination of gas supply systems, heat supply, water supply, power systems, heating, ventilation and air conditioning of buildings, constructions and settlements, including:
 - Definition of actual calculative expenses of energy resource for all types of consumers
 - Definition of assumed loads on the pipelines of low, medium and high pressure, the heat supply system and other pipelines and networks:
 - restoration of rated scheme of gas supply, heat supply, water supply and other.
 - Hydraulic calculation of systems, that defines prospects for further link-up of new consumers

Based on hydraulic calculation, there must be determined problem points and sectors of pipelines and networks, must be determined possible options of improvement in order to ensure the accident-free and safe exploitation.

The results of the work could be used in determining the modes of pressure in the systems of gas supply, heat supply, water supply, at serving out specifications for connection of additional customer to systems, while designing emergency modes of networks operating, at the stage of specifying prospects of development those systems, and in case of detection losses and leaks

ACTIVITIES

Energy examination of objects

Works for saving fuel and energy resources should be based on a thorough analysis for existing level of consumption gas, heat and electrical energy, determination of unit charges of heat and electricity, making-up a heat-and-power balance of enterprise.

In this connection we offer

- energy examination of enterprises, budget entities, apartment buildings, heat-and-power analysis, determination of unit charges on fuel and energy, development of procedures to reduce consumption of gas, heat and electric energy.
- development of technical and engineering solutions on reduction of fuel and energy consumption, technical-and-economic calculation, reasoning of decisions as a first stage of preparation of project documentation
- working out the heat and fuel balance of heat and power consumption. Determination of main parts of losses the heat and fuel at the stages of production, transportation, distribution and consumption of heat and fuel.
- examine the pipes and networks. Hydraulic calculation of pipes and networks. Measures for optimization of networks' work.
- adjustment works at all kinds of thermal equipment with the purpose to remove defects connected to exploitation of equipment. Development of measures to increase the efficiency of fuel combusting facilities

Carrying out works on thermo-modernization of apartment building, public and industrial buildings and structures to reduce energy consumption:

- increasing the heat-resistance of building envelopes
- modernization of heat input units (facility of automatic delivery of heat depending on the outside air temperature):
- reduction the expenditure of energy for hot water supply of apartment building and public buildings.
- preparation of special documentation for heat networks, gas supply networks, boiler equipment, ventilation and gas cleaning. Engineering works on reconstruction and conversion of heat sources, heat supply system, gas-supply system and manufacturing schemes of the enterprise
- Assembling of equipment and commissioning of heat-xchange and fuel combusting facilities.

Commissioning the objects.

Implementation of energy-saving arrangements, carrying out all kinds of installation works, preparation of gas burners, packaging arrangement and shipping of boilers, pumps, heat engineering, gas equipment and control-and-measuring devices, installation of heat and gas meters and automatic controls of temperature at the input points of heat networks. The main priority of our work is a precise performance of contractual obligations within the limits of deadlines at all stages of cooperation. To achieve the objectives, the enterprise has got a proper experience in this field, and proven ways of cooperation with clients.

ACTIVITIES

Geological and geophysical works

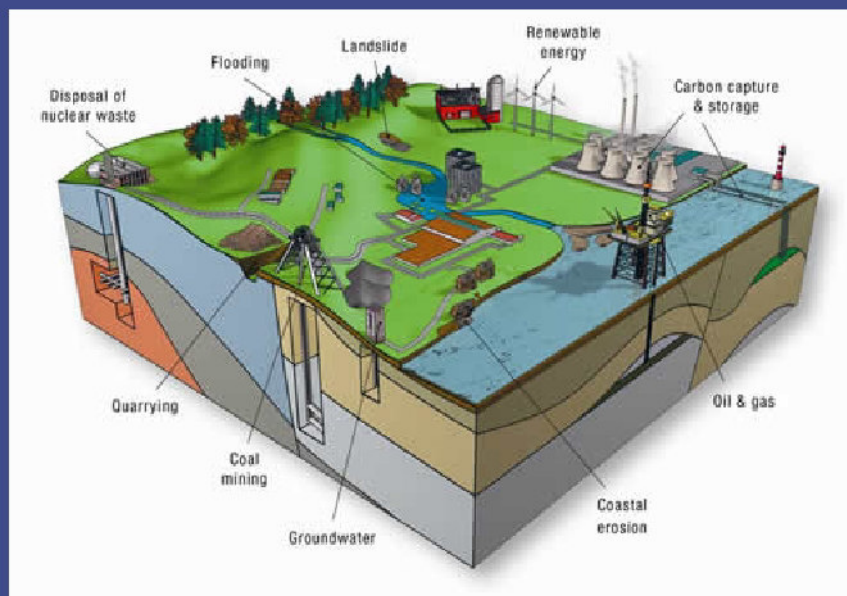
Geological and geophysical works – it is the set of special operations, which are provided for revealing of oil fields and gas fields, and preparation of commercial development of fields. For those purposes they learn mechanisms of placements, oil-accumulation conditions, structural features of substances, material constitution of fields for the purpose of forecasting, searching, detection of bedding conditions, preliminary and detailed exploration, geological and economical evaluation and preparation of commercial development and produce of hydrocarbon.

Types of works.

- 1) Implementation of the full range of geophysical works - full range of logging services
- 2) Test of wells on the productivity while drilling with sampling
- 3) Coring at the time of drilling and describing of stuff.
- 4) Conducting of the full range of perforation and torpeding during drilling and test of well on productivity.

The availability of equipment for drilling:

- 1) Mobile drilling rig capacity of 225 t – 2 PCs.
- 2) Mobile drilling rig capacity of 180 t – 1pc
- 3) Other necessary equipment for the overhaul of wells.



Activities:

1. Conduct the full range of repair and insulation works.
 - 1.1. Disabling individual flooded reservoir intervals.
 - 1.2. Disabling individual layers.
 - 1.3. The fix leakage of cement (capacity of the cement ring for operating, intermediate columns).
2. The elimination of leakage-operating columns.
 - 2.1. Eliminate leakage by plugging (injection of cement and other kinds of blocking liquids).
 - 2.2. The elimination of leakage-installation of the patch.
 - 2.3. Eliminate leakage by descent additional casing of smaller diameter.
3. The elimination of accidents.
 - 3.1. Removing equipment from the wells after the accident.
 - 3.2. Eliminate accidents with the operational column.
 - 3.3. Cleaning of bottom hole and wellbore from metal objects.
 - 3.4. Other works on liquidation of accidents (restoration of patency of the colon, etc.).
 - 3.5. Eliminate accidents that have occurred in the process of repair of wells.
4. The transition to other horizons of separation of the layers.
 - 4.1. The transition to other horizons.
 - 4.2. The separation of layers.
5. Complex of works connected with drilling.
 - 5.1. Cutting new stems in the well.
 - 5.2. Drilling cement cups, cement plugs.
 - 5.3. Milling Shoe columns with a recess on the breed.
 - 5.4. Drilling and equipment of boreholes and artesian wells.
6. Work associated with the liner and casing strings.
 - 6.1. The descent of the shanks.
 - 6.2. Descent additional casing strings.
 - 6.3. Cementing of casing strings and liners.
7. The development and exploration wells.
 - 7.1. The study of the nature of saturation and the development of productive formations, specification of geological section in wells.
 - 7.2. Assessment of the technical condition of the wells (inspection wells).
 - 7.3. The exploration of wells.
8. Moving the wells to use for another purpose.
 - 8.1. Moving the wells to discharge.
 - 8.2. Translation of wells under selection of technical water.
 - 8.3. Translation of observation wells, the hydraulic gradient.
 - 8.4. Translation of wells for the injection of coolant or air.
9. Moving the wells to the mechanical method of operation or other operation.
 - 9.1. The translation is well on the mechanical method of exploitation /gas-lift, descent pumps ETSN or SRP, jet pump/.
 - 9.2. Transfer well to another method of operation /packer/.
10. Commissioning and repair of injection wells.
11. Conservation /liquidation/ re-activation and /reliquidate/.
12. Work using coiled tubing units.

The development of oil, gas and gas condensate fields

Production

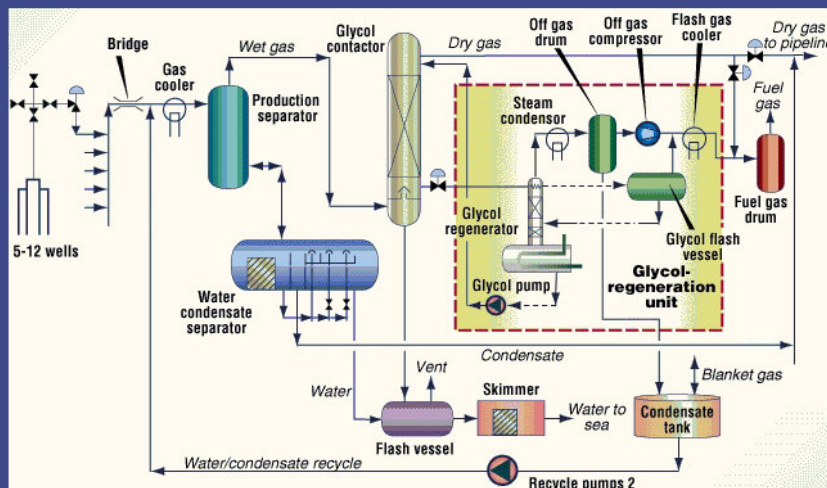
1. Geophysical investigations in the oil and gas boreholes.
2. Sampling of oil, gas, condensate and oil-field water;
3. Laboratory analysis of oil, gas, condensate and oil-field water.
4. Processing the results of sample analysis of oil, gas, condensate and oil-field water. Recommendations for increasing the production of hydrocarbons, protection of equipment against corrosion and asphalt-paraffinic residue.
5. Inhibitor protection of equipment and elimination of asphalt-paraffinic residue out of equipment, using advanced technologies.
6. Updating the existing scheme of collecting and preparation of hydrocarbons, using compressor systems, ejectors, nitrogen sets with the purpose to increase production of hydrocarbons.



The development of oil, gas and gas condensate fields

Intensification

1. Cleaning the bottomhole formation zone of asphalt-paraffinic deposits using nonionic surfactant substances. Patent №60363,
2. Acid processing.
3. Waterproofing in gas and oil wells.
4. Waterproofing in gas and oil wells. By the use of viscous and solid hydrocarbons;
5. Hydromechanic slot perforations of wells at secondary opening of strata in combination with processing of bottomhole formation zone with surfactant substances.
6. Hydrosandblasting perforation
7. Hydraulic fracturing
8. Acid hydraulic fracturing.
9. Vibro processing the bottomhole formation zone (pulsed-wave pressure on the bottomhole formation zone using a coiled tubing unit)
10. Resonant-wave pressure to the oil stratum.
11. Thermal Treatment the bottomhole formation zone.
12. Washing out bottomhole formation zone with solvents, surfactant substances and other liquids.
13. Thermogas chemical processing
- 14 Smoothing the injectivity profile of fill-in wells.
- 15 Additional perforation and hole torpedoing of previously riddled spaces.



The development of oil, gas and gas condensate fields

Construction of facilities of producing natural gas and oil

- 1 Construction the plant of complex oil, gas and condensate treating.
2. Arrangement of oil and gas wells
3. Building the gas consumption metering nodes, gaslift metering nodes
4. Shifting the oil wells to mechanical method of extraction
- 5 Updating the existing facilities of complex gas treating, using compressor systems, nitrogen sets , ejectors



our certificates

SYSTEM OF INTERNATIONAL CERTIFICATION



CERTIFICATE

of Occupation Health and Safety Management System
SIC.02.008.1726 dated 07.09.2016

The Certification Body "Bureau of International Certification" hereby certifies that the Occupation Health and Safety Management System of

"Drilling Energy Company "TECHNICS"

LIMITED LIABILITY COMPANY

36003, Ukraine, city Poltava, street Sobornosty 43, office 417
code 39917201

concerning:

- drilling and workover oil and gas wells
- rendering the ancillary services in the field of oil and natural gas production;
- the activities in the field of the hydrocarbons' production and stimulation;
- activities in the fields of engineering, geology, geodesy and the technical advisory service's related to the above spheres;
- the architectural activities, namely: designing the architectural objects, assembling the utility facilities, construction' and installation works, construction of transport facilities, engineering in the sphere of construction;
- engineering tests and research;
- construction of living accommodations and of nonresidential premises;
- wholesale trade in metals and ores

complies with requirements of the

OHSAS 18001:2007

"Occupation health and safety management systems.
Requirements"

INTERNATIONAL STANDARD

Date of Certification: 07.09.2016

Date of Expiry: 06.09.2019

subject to annual approval

2017 - till 07.08.2017
2018 - till 07.06.2018

Head of the Certification body



A. Bogonos



SIC.02.008.1726

our certificates

SYSTEM OF INTERNATIONAL CERTIFICATION



SYSTEM OF INTERNATIONAL CERTIFICATION

CERTIFICATE

of Quality Management System
SIC.02.008.1727 dated 07.09.2016

The Certification Body "Bureau of International Certification" hereby certifies that the Quality Management System of

**"Drilling Energy Company
"TECHNICS"**

LIMITED LIABILITY COMPANY

36003, Ukraine, city Poltava, street Sobornosty 43, office 417
code 39917201

concerning:

- drilling and workover oil and gas wells
- rendering the ancillary services in the field of oil and natural gas production;
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- engineering tests and research;
- construction of living accommodations and of nonresidential premises;
- wholesale trade in metals and ores

complies with requirements of the

ISO 29001:2010

**"Petroleum, petrochemical and natural gas industries.
Sector-specific quality management systems. Requirements for product and service supply organizations"**

INTERNATIONAL STANDARD

Date of Certification: 07.09.2016
Date of Expiry: 06.09.2019

subject to annual approval
2017 - III 07.08.2017
2018 - III 07.08.2018

Head of the Certification body  A. Bogonos





Bureau of International Certification, Obolonska embankment, house 15, building 4, office 14, Tel./Fax: +38044 455-90-93
Notification Letter: SIC.02.008, Date of Notification: January 13, 2016, issued by SIC Global LP,
Suite 444, The Green, Wokingham Surrey, London SW16 3NA, United Kingdom. www.certificat-dc.com

our certificates

SYSTEM OF INTERNATIONAL CERTIFICATION



CERTIFICATE

of Environmental Management System
SIC.02.008.1725 dated 07.09.2016

The Certification Body "Bureau of International Certification"
hereby certifies that the Environmental Management System of

**"Drilling Energy Company
"TECHNICS"**

LIMITED LIABILITY COMPANY

36003, Ukraine, city Poltava, street Sobornosty 43, office 417
code 39917201

concerning:

- drilling and workover oil and gas wells
- rendering the ancillary services in the field of oil and natural gas production;
- the activities in the field of the hydrocarbons' production and stimulation;
- activities in the fields of engineering, geology, geodesy and the technical advisory service's related to the above spheres;
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- engineering tests and research;
- construction of living accommodations and of nonresidential premises;
- wholesale trade in metals and ores

complies with requirements of the

ISO 14001:2004

**"Environmental management systems.
Requirements and guidance for use"**

INTERNATIONAL STANDARD

Date of Certification: 07.09.2016

Date of Expiry: 06.09.2018

subject to annual approval

2017 - till 07.08.2017

2018 - till 07.08.2018

Head of the Certification body



A. Bogonos

