

A.Z. Shokparov
Vice-Rector for Science and
International Relations

Reference

issued to Aigerim Adilzhankyzy Andasbayeva

Current position - Lead Process Engineer.

Service years in TITECO National Research Institute LLP - 3 years and 4 months.

During the period of her work A. A. Andasbayeva proved to be a responsible and disciplined employee, diligently fulfilling all assigned tasks within the specified timeframes with an accurate vision of the concept of projects. From the first days, she demonstrated deep theoretical knowledge and ability to practically apply her knowledge, especially in terms of technological processes during the collection and preparation of well products.

During her work at the Company A.A. Andasbayeva conducted research activities and had her work approved successfully by the supervising authorities and the Ministry of Energy of the Republic of Kazakhstan.

Her projects include the following:

- “Estimation of Volumes of Inevitable Gas Flaring in Case of Technological Failures, Failures and Deviations in the Operation of Technological Equipment (V9) Based on Statistical Data on the Experience of Operating the Kashagan Field, the Tengiz Field and Other Large Fields. Review of Global Practice of Gas Flaring” as part of amendments and additions to the Methodology for calculating standards and volumes of raw gas flaring during subsoil use operations (Order of the Ministry of Energy of the Republic of Kazakhstan No. 154 dated 05.05.2018);
- Development of Technological regulations for production processes supplemented by gas flaring at the Kashagan field;
- Development of an industry standard for determining cases of failures, deviations in the operation of process equipment;
- Creation of programs for the development and processing of raw gas at the fields Karakuduk, Sarybulak, Taskuduk, Ashchikol South, Besshoky South, Zhartobe, Karashkazgan, Dulat, Zhanterek North, Sarykumak West;
- Assessment of the effectiveness of measures taken to reduce the volume of technologically inevitable gas flaring;
- Development of an annual report on completion of raw gas processing Development Program;
- Development of a quarterly report on cases of failures, deviations in the operation of technological equipment;
- Gas flaring audit and verification for compliance with the legal requirements of the Republic of Kazakhstan;

- Calculation of foreseen volumes of technologically inevitable gas flaring at the Kashagan field as part of the development of project documents (Development Analysis, Development Design, Architectural Supervision, Trial Operation Project);
- Data analysis of the Kashagan, Karachaganak, Tengiz fields to determine the duration of repair work to restore the working condition of the process equipment;
- Development of a report on the definition of criteria for standardized and non-standardized cases of gas flaring delineation;

As a result of the successful completion of the projects listed above, TITECO Research Institute LLP received letters of thanks and letters of recommendation for being a reliable and experienced company in the field of oil and gas engineering.

CEO

TITECO Research Institute LLP

(signed/stamped)

N. Ualiyev

Unofficial translation

B.A. Zhautikov
Member of the Board - Vice-
Rector for Academic Affairs

Dear Mr Bakhyt Zhautikov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our company's employee Mr Makhsat Pernebayevich Khainarbayev, a Petroleum Engineering program graduate, demonstrated broad knowledge as a specialist, high level of responsibility, professional attitude dealing with production issues during the period of work at our company.

We wish you success in training specialists in the oil and gas industry and look forward to future cooperation.

Best regards, *Berik Abdullayevich Nauryzbayev*

CEO Alstron Corporate Fund LLP

(signed/stamped)

Unofficial translation

A. Z. Shokparov
Vice-Rector for Science and
International Relations

Dear Mr Alibek Shokparov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our company's employee Mr Makhsat Pernebayevich Khainarbayev, a Petroleum Engineering program graduate, demonstrated broad knowledge as a specialist, high level of responsibility, professional attitude dealing with production issues during the period of work at our company.

We wish you success in training specialists in the oil and gas industry and look forward to future cooperation.

Best regards, *Berik Abdullayevich Nauryzbayev*

CEO Alstron Corporate Fund LLP

(signed/stamped)

Unofficial translation

A. K. Syzdykov
Director
Institute of Geology, Oil and
Gas named after K. Turysov

Dear Mr Askar Syzdykov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our company's employee Mr Makhsat Pernebayevich Khainarbayev, a Petroleum Engineering program graduate, demonstrated broad knowledge as a specialist, high level of responsibility, professional attitude dealing with production issues during the period of work at our company.

We wish you success in training specialists in the oil and gas industry and look forward to future cooperation.

Best regards, *Berik Abdullayevich Nauryzbayev*

CEO Alstron Corporate Fund LLP

(signed/stamped)

Unofficial translation

B.A. Zhautikov
Member of the Board - Vice-
Rector for Academic Affairs

Dear Mr Bakhyt Zhautikov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our company's employee Mr Islam Beslanovich Mestoyev, a Petroleum Engineering program graduate, demonstrated comprehensive knowledge as a specialist, high level of responsibility, professional attitude dealing with production issues during the period of work at our company.

We wish you success in training specialists in the oil and gas industry and look forward to future cooperation.

Best regards,

CEO (signed/stamped) **M. M. Dolgiyev**

Unofficial translation

A. Z. Shokparov
Member of the Board - Vice-
Rector for Science and
International Relations

Dear Mr Alibek Shokparov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our company's employee Mr Zhalgas Kelesovich Konusov, a Petroleum Engineering program graduate, demonstrated comprehensive knowledge as a specialist, high level of responsibility, professional attitude dealing with production issues during the period of work at our company.

We wish you success in training specialists in the oil and gas industry and look forward to future cooperation.

Best regards,

Lead Mining Engineer

(signed/stamped)

KAZPETROL GROUP LLP

Kazbek Zakhariyanovich Dabysov

Unofficial translation

B.A. Zhautikov
Member of the Board - Vice-
Rector for Academic Affairs

Dear Mr Bakhyt Zhautikov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our company's employee Mr Ibrai Zhauganovich Begeyev, a Petroleum Engineering program graduate, showed his deep knowledge as a specialist, high responsibility, professional attitude when dealing with production issues.

We wish you success in training specialists in the oil and gas industry and look forward to future cooperation.

Best regards,

Head of Labor Center
LLP KMG "KMG Engineering"
"KazResearchProjectOrganizationMunaiGaz"

(signed/stamped) **M. Masatov**

Dated 22.04.2022

No.21-021/464

A.Z. Shokparov
Member of the Board - Vice-
Rector for Science and
International Relations
"Kazakh National Research
Technical University named
after K. I. Satpayev" Non-public
Joint Stock Company

Letter of appreciation

Dear Mr Alibek Shokparov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our company's employee Mr Maksat Arazbekovich Sikhayev, a Petroleum Engineering program graduate, throughout the period of work at our company demonstrated high level of professional training, deep knowledge, high responsibility, professional approach to production issues.

We wish you success and prosperity in further training specialists in the oil and gas industry and look forward to future cooperation.

Deputy
Production Branch Director
Branch of the KMG Engineering LLP
KAZNIPImunaigas

(E-signed) **O. Sarbopeyev**

P.o.C. M.A. Sikhayev
Tel.: 470290 ext.3338

Unofficial translation

Dated 22.04.2022

No.21-021/463

A.Z. Shokparov
Member of the Board - Vice-
Rector for Science and
International Relations
"Kazakh National Research
Technical University named
after K. I. Satpayev" Non-public
Joint Stock Company

Letter of appreciation

Dear Mr Alibek Shokparov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our company's employee Mr Seitkali Orazbayevich Kaultayev, a Petroleum Engineering program graduate, throughout the period of work at our company demonstrated high level of professional training, deep knowledge, high responsibility, professional approach to production issues.

We wish you success and prosperity in further training specialists in the oil and gas industry and look forward to future cooperation.

Deputy
Production Branch Director
Branch of the KMG Engineering LLP
KAZNIPImunaigas

(E-signed) **O. Sarbopeyev**

P.o.C. S.O. Kaultayev
Tel.: 470290 ext.3338

B.A. Zhautikov
Member of the Board - Vice-
Rector for Academic Affairs

Dear Mr Bakhyt Zhautikov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our company's employee Mr Artur Zhanabayevich Dingaliyev, a Petroleum Engineering program graduate, throughout the period of work at our company demonstrated deep knowledge, high responsibility, professional approach to production issues.

We wish you success and prosperity in further training specialists in the oil and gas industry and look forward to future cooperation.

Best regards, Director of Department of Oil and Gas Extraction Embamunaigas JSC
T.M. Sarsenov (signed/stamped)

Unofficial translation

A.Z. Shokparov
Member of the Board - Vice-
Rector for Science and
International Relations

Dear Mr Alibek Shokparov,

Herewith I would like to express gratitude to you and your team for training professional oil and gas personnel.

Our Atyrau branch of KMG Engineering LLP employee Mr Adil Yerikovich Kenzhetayev, a Kazakh National Research Technological University named After K.Satpayev Petroleum Engineering program graduate, throughout the period of work at our company demonstrated deep knowledge as a specialist and high responsibility. The tasks Mr Kenzhetayev completed led to an increase in the proven resource base of previously discovered fields, an increase in the rate of selection through the introduction of new technologies and, accordingly, an increase in the oil potential of the Republic of Kazakhstan.

We wish you success and prosperity in further training specialists in the oil and gas industry and look forward to future cooperation.

Best regards,

Director of Department
Development Oil and Gas Fields
Atyrau Branch of KMG Engineering LLP

(signed/stamped) **T.S. Jaksylykov**