



**Economic and Social
Council**

Distr.
RESTRICTED

ENERGY/WP.3/GE.1/10
26 June 1995

Original: ENGLISH

ECONOMIC COMMISSION FOR EUROPE

COMMITTEE ON ENERGY
WORKING PARTY ON GAS

Meeting of Experts on Natural Gas Resources
Eighteenth session, 12-13 June 1995

Report

I. ATTENDANCE

The session was attended by representatives of Austria, Croatia, France, Germany, Hungary, Italy, the Netherlands, Poland, Romania, and the Russian Federation.

II. AGENDA ADOPTED
(Agenda item 1)

III. DECISIONS OF THE WORKING PARTY ON GAS CONCERNING
THE ACTIVITIES IN THE FIELD OF GAS
(Agenda item 2)

Documentation: ENERGY/WP.3/9, para. 11.

Decision:

To take note of the decisions of the Working Party on Gas at its fifth session of concern to the work of the Meeting of Experts.

IV. RELATIONSHIP BETWEEN THE PRODUCTION TECHNOLOGY
AND RECOVERY FACTOR IN GAS RESERVOIRS

New developments and needs to improve exploration and
production of natural gas in eastern and central Europe
during the transition period
(Agenda item 3)

Documentation: ENERGY/WP.3/GE.1/R.9/Rev.1

Decisions:

- (a) To approve a revised questionnaire;
- (b) To request the secretariat to send a reminder to Governments to complete the questionnaire;
- (c) To invite Governments to send replies to the questionnaire by 1 December 1995 to Mr. V. Skorobogatov, Director of Department, VNIIGAZ, pos. Razvilka, 142 717 Moskovskaya Oblast, Leninsky Rajon, Russian Federation, and to the secretariat;
- (d) To invite Mr. Skorobogatov to prepare a draft consolidated report by 1 March 1996, for consideration at the next session;
- (e) To request the secretariat to contact delegations with regard to the possibility of organizing a workshop on this topic.

V. ASSESSMENT OF NATURAL GAS RESOURCES AND ANNUAL
COLLECTION OF DATA ON NATURAL GAS RESERVES
(Agenda item 4)

Documentation: ENERGY/WP.3/GE.1/R.8/Add. 1 to 5

Decisions:

- (a) To collect information on natural gas reserves on an annual basis;
- (b) To request the secretariat to send a reminder to Governments to complete the questionnaire;
- (c) To include in replies to the questionnaire a narrative part reflecting main changes with regard to the gas reserves situation;
- (d) To invite Mr. H. Porth from the German delegation to prepare a new version of the questionnaire by 1 March 1996;

(e) To invite Governments to submit replies to the questionnaire on their natural gas reserves by 1 May 1996, calculated as of 31 December 1995, for consideration at the next session.

VI. PROBLEMS ARISING FROM THE EXPLORATION OF NATURAL GAS DEPOSITS
LOCATED IN ABNORMALLY HIGH PRESSURE AND TEMPERATURE CONDITIONS AND
EXTREMELY DEEP GEOLOGICAL FORMATIONS
(Agenda item 5)

Documentation: ENERGY/WP.3/GE.1/R.6/Add.1/Rev. 1 and addenda

Decisions:

(a) To invite the German delegation to submit their contribution to Mr. Skorobogatov by 1 October 1995;

(b) To invite Mr. Skorobogatov to prepare a final consolidated report by 1 December 1995;

(c) To request the secretariat to issue the report by 1 April 1996 for consideration at the next session.

VII. GLOSSARY ON NATURAL GAS RESERVES.
EXPLORATION, EXPLOITATION, ECONOMICS
(Agenda item 6)

Documentation: ENERGY/WP.3/GE.1/R.10/Rev.1

Decisions:

(a) To adopt the final version of the Glossary;

(b) To give it general release and wide distribution among ECE member countries;

(c) To thank the delegation of Germany for their kind offer to publish the Glossary as a trilingual edition;

(d) To thank Mr. L. Schröder and Mr. H. Porth, rapporteurs from Germany, for the excellent work they have done in preparing the Glossary;

(e) To delete the above item from the programme of work.

VIII. DEVELOPMENTS AND PROSPECTS OF UNCONVENTIONAL GAS RESOURCES,
SUCH AS TIGHT FORMATIONS, METHANE FROM COAL SEAMS,
HYDRATES ETC. AND PROBLEMS ENCOUNTERED WITH THEIR PRODUCTION
(Agenda item 7)

Documentation: ENERGY/WP.3/GE.1/R.11/Rev.1 and Add. 1

Decisions:

- (a) To approve the revised questionnaire;
- (b) To invite Governments to send replies to the questionnaire to Mr. C. Jaracz, Polish Oil and Gas Institute, ul. Powstancow, Warszawskich 35, 38400 Krosno, Poland, with a copy to the secretariat, by 1 December 1995;
- (c) To request the secretariat to seek the possibility of receiving information from Canada, the Russian Federation and the United States on gas resources from hydrates;
- (d) To invite Mr. Jaracz to prepare a draft report and send it to the secretariat by 1 April 1996 for consideration at the next session.

IX. PROBLEMS RELATED TO THE ASSESSMENT AND DEVELOPMENT OF
GAS CONDENSATE RESERVES AND RESOURCES, INCLUDING
METHODS OF ENHANCED CONDENSATE RECOVERY
(Agenda item 8)

Decisions:

- (a) To invite the delegation of Italy to designate a rapporteur for this topic;
- (b) To invite Governments to consider the possibility of organizing a workshop on this subject.

X. PROGRAMME OF WORK
(Agenda item 9)

Decisions:

- (a) To delete from the programme of work programme element 06.5.5.5.4 "Glossary on Natural Gas Reserves and the Economy of Their Exploration";
- (b) To include in the programme of work a new programme element 06.5.5.5.4 "International Map of Natural Gas Fields in Europe" (an update);
- (c) To thank the delegation of Germany for their offer to prepare for the next session of the Meeting of Experts an outline of the study, including its timetable and a questionnaire;
- (d) To invite Governments to contribute actively to the preparation of the Map;
- (e) To encourage member countries to provide financial support for the publication of the Map;
- (f) To adopt the programme of work of the Meeting of Experts on Natural Gas Resources as described in the annex to the present report.

XI. OTHER BUSINESS
(Agenda item 10)

Gas Centre

Decisions:

- (a) To take note with appreciation on the activities of the Gas Centre;
- (b) To invite the secretariat to inform delegations at the annual session of the Meeting of Experts on the work of the Gas Centre.

XII. DATE OF NEXT MEETING
(Agenda item 11)

3-4 June 1996, starting on 3 June at 1500.

XIII. ELECTION OF OFFICERS
(Agenda item 12)

Mr. A. Bauk (Croatia) and Mr. M. Kosinowski (Germany) were elected Chairman and Vice-Chairman respectively.

XIV. ADOPTION OF THE REPORT
(Agenda item 13)

The Meeting of Experts adopted its report on 13 June 1995.

Annex

PROGRAMME OF WORK FOR 1995-1997

06.5.5.5 Assessment of natural gas resources, including geological and geophysical methods of prospecting for natural gas (continuing)

Description: Assessment and evaluation of natural gas resources, reserves and production.

Work to be undertaken: Exchange of views, experience and other relevant information.

06.5.5.5.1 Relationship between the production technology and recovery factor in gas reservoirs. "New Developments and Needs to Improve Exploration and Production of Natural Gas in Eastern and Central Europe during the Transition Period" (1993-1996)

Description: Exchange of information on recent technologies and related studies to increase gas recovery. Address issues on increased gas recovery of concern to economies in transition.

Work to be undertaken: To consider a draft consolidated report prepared by the rapporteur from the Russian Federation.

06.5.5.5.2 Problems arising from the exploration of natural gas deposits located in abnormally high pressure and temperature conditions and extremely deep geological formations (1988-1996)

Description: Exchange of information and experience on recent technical developments in methods of exploration of deep geological formations and problems encountered with their exploration.

Work to be undertaken: To consider a revised consolidated report on this subject prepared by the Rapporteur from the Russian Federation.

06.5.5.5.3 Developments and prospects of unconventional gas resources, such as tight formations, methane from coal seams, hydrates, etc. and problems encountered with their exploration and production (1990-1996)

Description: Exchange of information and experience on production and utilization of gas from tight formations including economic, environmental, safety and other factors associated with this resource and other non-conventional gas resources.

Work to be undertaken: To consider a draft consolidated report on "Developments and Prospects of Gas Resources from Tight Formations" prepared by the Rapporteur from Poland.

06.5.5.5.4 International Map of Natural Gas Fields in Europe (1995-1996)

Description: An update of the map prepared by the Meeting of Experts in 1995.

Work to be undertaken: Preparation of the programme and timetable of this work, including choice of computer data system, etc.

06.5.5.5.5 Assessment of natural gas resources and annual collection of data on natural gas reserves (1992-1996)

Description: Annual survey of natural gas reserves.

Work to be undertaken: Consideration of replies to the annual questionnaire on natural gas reserves and preparation of a new version of the questionnaire.

06.5.5.5.6 Problems related to the assessment and development of gas condensate reserves and resources, including methods of enhanced condensate recovery (1993-1996)

Description: Exchange of information on recent technologies related to the assessment and calculation of condensate reserves and resources and on problems encountered with the development of gas condensate fields.

Work to be undertaken: Consideration of a draft questionnaire.