



**Economic and Social
Council**

Distr.
RESTRICTED

ENERGY/WP.3/GE.1/12
29 October 1996

ORIGINAL : ENGLISH

ECONOMIC COMMISSION FOR EUROPE

COMMITTEE ON ENERGY
WORKING PARTY ON GAS

Meeting of Experts on Natural Gas Resources
Nineteenth session, 10-11 June 1996

REPORT

I. ATTENDANCE

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

II. OFFICERS OF THE SESSION

2. The officers of the session were as follows:

Chairman: Mr. A. Bauk (Croatia)
Vice-Chairman: Mr. M. Kosinowski (Germany) (not in attendance)

III. AGENDA ADOPTED (Agenda item1)

IV. DECISIONS OF THE WORKING PARTY ON GAS
CONCERNING THE ACTIVITIES OF THE MEETING OF EXPERTS
(Agenda item 2)

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

3. Decisions:

(a) To take note of the decisions of the Working Party on Gas at its sixth session of concern to the work of the Meeting of Experts.

V. 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

- (a) Relationship between the production technology and recovery
factor in gas reservoirs (Agenda item 3 (a))

Documentation: ENERGY/WP.3/GE.1/R.2

4. Decisions:

(a) To request the secretariat to issue the draft consolidated report in the three working languages of the Economic Commission for Europe (ECE), by 1 November 1996;

(b) To invite Governments to send their comments to
Mr. V. Skorobogatov, Director of Department, VNIIGAS, pas Razvilka 142 717
Moskovskay Oblast, Leninsky Rajon, Russian Federation, tel.: (7 095) 355 9489,
fax.: (7 095) 399 1677;

(c) To invite Mr. V. Skorobogatov to prepare a revised version of consolidated report by 1 March 1997;

(d) To discuss a revised version of the report at the next session of the Meeting of Experts.

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

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

5. Decisions:

(a) To request the secretariat to issue the draft consolidated report in the three working languages of the ECE, by 1 November 1996;

(b) To invite Governments to send their comments to
Mr. V. Skorobogatov, rapporteur from the Russian Federation (see para 4 (b)
above);

(c) To invite Mr. V. Skorobogatov to prepare a revised version of the consolidated report by 1 March 1997;

(d) To discuss a revised version of the report at the next session of the Meeting of Experts.

VI. 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

6. 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 Governments to submit replies to the questionnaire on their natural gas reserves by 1 May 1997, calculated as of 31 December 1996, for consideration at the next session.

VII. 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

7. Decisions:

- (a) To request the secretariat to issue the draft consolidated report in the three working languages of the ECE, by 1 November 1996;
- (b) To invite Governments to send their comments to Mr. V. Skorobogatov, rapporteur from the Russian Federation (see para 4 (b) above);
- (c) To invite Mr. V. Skorobogatov to prepare a revised version of the consolidated report by 1 March 1997;
- (d) To discuss a revised version of the report at the next session of the Meeting of Experts.

VIII. INTERNATIONAL MAP OF NATURAL GAS FIELDS IN EUROPE (Agenda item 6)

8. Decisions:

- (a) To agree on the scale of the map to be 1:5.000 000;
- (b) To invite the delegation of Germany to prepare a time schedule and a questionnaire by 1 October 1996;
- (c) To request the secretariat to send this time schedule and the questionnaire to all Governments by 1 November 1996, for their comments;

(d) To invite Governments and organizations to contribute to the preparation of the map, both in cash and in kind;

(e) To discuss a detailed work plan and a distribution of labour at the next session.

IX. 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)

(a) Developments and prospects of gs resources from tight formations

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

9. Decisions:

(a) To invite the secretariat to issue a draft consolidated report prepared by the rapporteur from Poland by 1 December 1996;

(b) To invite Governments to send their comments on this report to Mr. C. Jaracz, Head, Production Department, Polish Oil and Gas Institute, ul. Armii Krajowej 3, 38400 Krosno, Poland, tel: (48131) 23941, fax: (48131) 21581;

(c) To invite Mr. Jaracz to prepare a revised version of a consolidated report by 1 March 1997 for consideration at the next session.

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

10. Decisions:

(a) To invite the delegation of the Russian Federation to deliver a lecture on this subject for in-depth consideration at the next session.

XI. PROGRAMME OF WORK (Agenda item 9)

11. Decisions:

(a) To recommend to the Working Party on Gas to extend the duration of the projects in the programme of work of the Meeting of Experts by another year (1997);

(b) To approve the programme of work as set out in the annex.

XII. OTHER BUSINESS (Agenda item 10)

12. Decisions:

(a) To take note with appreciation of the information provided by the secretariat with regard to activities of the Gas Centre;

(b) To invite the secretariat to inform delegations at the annual sessions of the Meeting of Experts on the work of the Gas Centre.

(c) To thank the delegation of Germany for the excellent Glossary publication ;

(d) To thank Mr. A. van Adrichem Boogaert (Netherlands) for his outstanding contribution to the work of the Meeting of Experts to which he was a delegate for almost 20 years and was several times its Chairnan and Vice-Chairman, and to wish him a happy retirement

XIII. DATE OF NEXT MEETING (Agenda item 11)

13. The twentieth session of the Meeting of Experts on Natural Gas Resources will be held on 19 and 20 June 1997, starting on 19 June at 1500.

XIV. ELECTION OF OFFICERS (Agenda item 12)

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

XV. ADOPTION OF THE REPORT (Agenda item 13)

15. The Meeting of Experts adopted its report on 11 June 1996

Annex

PROGRAMME OF WORK FOR 1997-2000

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. (1993-1997)

Description: Exchange of information on recent technologies and related studies to increase gas recovery.

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

06.5.5.5.2 New developments and needs to improve exploration and production of natural gas in eastern and central Europe during the transition period (1993-1997)

Description: Address issues on increased gas recovery in countries with economies in transition.

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

06.5.5.5.3 Problems arising from the exploration of natural gas deposits located in abnormally high pressure and temperature conditions and extremely deep geological formations (1988-1997)

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.

06.5.5.5.4 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 (1990-1997)

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 revised consolidated report on "Developments and prospects of gas resources from tight formations" prepared by the rapporteur from Poland.

06.5.5.5.5 International Map of Natural Gas Fields in Europe (1995-1997)

Description: An update of the map prepared by the Meeting of Experts in 1985.

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

06.5.5.5.6 Assessment of natural gas resources and annual collection of data on natural gas reserves (1992-1997)

Description: Annual survey of natural gas reserves.

Work to be undertaken: Consideration of replies to the annual questionnaire on natural gas reserves.

06.5.5.5.7 Problems related to the assessment and development of gas condensate reserves and resources, including methods of enhanced condensate recovery (1993-1997)

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: Lecture on this subject for in-depth consideration at the next session of the Meeting of Experts.
