



OIL AND GAS COMMISSION

RS

March 20, 2001

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OGC - 01077

Mr. Doug Marjerrison
Sr. St. Engineer
BP Canada Energy Company
P.O. Box 200
Calgary AB T2P 2H8

BP Experimental CBM Project #1(02)

Dear Mr. Marjerrison:

**RE: EXPERIMENTAL SCHEME FOR COAL BED METHANE
OJAY AREA, GATES AND GETHING FORMATION COALS**

The Commission has reviewed your application dated February 12, 2001 requesting approval of an experimental scheme to test coalbed methane (CBM) potential from the early Cretaceous formation coals in the Ojay area of northeast British Columbia.

The Commission designates the early Cretaceous coals as the Gates and Gething Formation coals.

Attached is Approval 01-15-004 for the application granted under section 100 of the Petroleum and Natural Gas Act. The CBM scheme is considered experimental as it involves a potentially long dewatering period with unknown gas flow rates. Approval of an experimental scheme allows determining permeability and production testing of the wells for a long period with sweet gas flaring. No objections were received following the publication of a notice of your application in the B.C. Gazette. It should be noted that the approved scheme area includes lands presently held under a Drilling Licence (DL # 50797). Approval amendment must be requested to reflect the lands BP controls once lease selections have been made.

Disposal of produced water will be to an underground formation as specified by section 94 of the *Drilling and Production Regulation (D & P Regulation)* unless otherwise approved by the Commission. Similarly, gas analyses and bottom hole pressure measurements will be required as specified by section 90 and 95, respectively, of the *D & P Regulation* unless otherwise approved by the Commission.

In accordance with section 57 of the *D & P Regulation* all well reports and well data within the scheme area will be held confidential for a period of 3 years.

Sincerely,

Craig Gibson, P. Eng.
Manager
Reservoir Engineering and Geology

Attachment

cc: Petroleums Lands Branch
Ministry of Energy and Mines

ENGINEERING AND GEOLOGY BRANCH

PO Box 9329 Stn Prov Gov't, Victoria BC V8W 9N3 Tel: (250) 952-0302 Fax: (250) 952-0291
Location: 6th Flr 1810 Blanshard St. Victoria BC

Headquarters: #200, 10003 110th Ave, Fort St. John BC V1J 6M7 Tel: (250) 261-5729 Fax: (250) 261-5744 www.ogc.gov.bc.ca

APPROVAL 01-15-004

**THE PROVINCE OF BRITISH COLUMBIA
PETROLEUM AND NATURAL GAS ACT
OIL AND GAS COMMISSION**

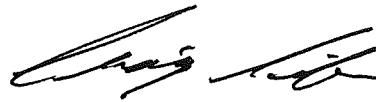
IN THE MATTER of the experimental scheme of BP Canada Energy Company (BP), to test coalbed methane potential of the Gates and Gething Formation coals of the Ojay area of northeast British Columbia.

NOW THEREFORE, the Commission, pursuant to section 100 of the Petroleum and Natural Gas Act, R.S.B.C. 1996, c.361 orders as follows:

1. The experimental scheme to test coalbed methane potential by exploration and pilot production from the Gates and Gething Formation coals in the Ojay area as described in the application from BP to the Commission dated February 12, 2001 is hereby approved, subject to terms and conditions herein contained.
2. The area of the experimental scheme consists of the following lands:

93-I-9	Block E – units 11, 21, 31, 41, 51-55, 61-65, 72-80, 82-90, 94-100 Block F – units 20, 30, 40, 50, 58-60, 68-70 Block L – units 4-10, 16-20, 26-30, 38-40, 48-50, 60, 70
93-I-10	Block H – units 71, 81, 91 Block I - units 1, 11, 21, 31, 41, 51 and 61.
3. Within 60 days after the end of each 6-month period, a report of the progress, performance and efficiency of the scheme during that period must be filed. The following information must be included in the progress report:
 - The daily average rate of gas and water production during each month for each producing well, and for the scheme as a whole;
 - The monthly cumulative gas and water production for each producing well, and for the scheme as a whole;
 - Representative sample analysis of produced water obtained once each 6 months;
 - The date and type of any well treatment or workover for any well in the scheme;
 - All information gathered to evaluate the coal's reservoir qualities such as gas content, desorption analysis, injectivity tests and permeabilities of coal seams.
 - Any other information that is considered necessary, in the opinion of the Commission, to evaluate the progress, performance and efficiency of the scheme.

4. Associated gas produced during the pilot testing may be flared for a maximum period of 6 months with a total volume not to exceed $255 \times 10^3 \text{ m}^3/\text{well}$.
5. A well may be drilled anywhere within the scheme area provided that it is not nearer than 250 m to the sides of the scheme area.
6. All information and analysis related to the scheme shall be made available to the Commission upon request.
7. The approval or any condition of it may be modified or rescinded upon application or if deemed appropriate by the Commission.



Craig Gibson
Manager
Reservoir Engineering and Geology
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 20th day of March, 2001.