



September 13, 1989

Mr. Gordon W. Marsden  
Engineering Manager  
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bcc: DM/ADME/PEN/PSA:kl  
File: 2960-4580-  
0-49240/10  
Daily

*Amendment  
BHP Project (5)*

Dear Mr. Marsden:

GAS CYCLING AMENDMENTS TO GOOD ENGINEERING PRACTICE  
SECTIONS 6 AND 7-85-17 W6  
CECIL LAKE - NORTH PINE "A" POOL

This refers to your application of June 14, 1989, requesting modification to the Good Engineering Practice by recycling gas in the subject pool within Sections 6 and 7-85-17 W6.

No objections were received following the publication of a notice of this application in the British Columbia Gazette of July 20 and 27, 1989. Accordingly, this is to advise that, under Section 116 of the Petroleum and Natural Gas Act, approval is hereby granted for gas cycling and gas sales subject to the following conditions:

1. The project area of the gas cycling scheme consists of Sections 6 and 7-85-17 W6.
2. Gross gas production will be limited to 67.2  $10^3\text{m}^3/\text{d}$  for the purpose of LPG recovery. (DGA)
3. To maintain historical net withdrawals, raw gas allowed for sale will be limited to  $10.2 \cdot 10^3\text{m}^3$  or  $3723 \cdot 10^3\text{m}^3/\text{year}$ . (This is based on a previously approved allowable of  $13.5 \cdot 10^3\text{m}^3/\text{d}$  less shrinkage and fuel of  $3.3 \cdot 10^3\text{m}^3/\text{d}$ ).
4. All gas production in excess of that allowed for sale will be reinjected into the well 6-7-85-17 W6.

5. An annual progress report will be filed with the Division within sixty (60) days of the end of the report year. This report will contain:
  - a. A graphical representation of project historical production and injection performances, including LPG, gas and water production.
  - b. The daily average rate, during each month, of the gross gas production and the LPG recovery.
  - c. The daily average rate, during each month, of the raw gas sold.
  - d. The daily average rate, during each month, of the gas reinjected.
  - e. The monthly and cumulative volumes of gas injected.
  - f. Monthly and cumulative reservoir withdrawal balance calculation for the project.
  - g. The weighted average wellhead injection pressure during each month.
  - h. Details of reservoir pressure surveys made during the report period.
  - i. A general review of operations during the report period.
  - j. An annual compositional analysis of the separator inlet fluid.

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6. The operations of the gas cycling will be subject to periodic review and modification to the approval may be ordered, if deemed appropriate, by the Director, Engineering and Operations.

Yours sincerely,

**Original Signed By**  
**MINISTER**

Honourable Jack Davis  
Minister

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bcc: D.L. Johnson  
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