

April 23, 1971

Amoco Canada Petroleum Company Ltd.,
444 - 7th Avenue S. W.,
Calgary 2, Alberta.

Attention: Mr. B. F. Abernathy

Dear Sir:

Re: Application for Waterflood
Scheme, Inga Unit #2

This is to advise that your application for installation of a waterflood scheme in Inga Unit #2 is approved. This approval is granted under Section 117 of the Petroleum & Natural Gas Act, 1965, and is subject to the following conditions:

- 1) Water will be injected into wells in the following locations: 14-7-86-23 W6M, 16-7-86-23 W6M, 15-8-86-23 W6M, 6-31-86-23 W6M, 6-36-86-24 W6M, 8-36-86-24 W6M, 14-18-87-23 W6M, 16-18-87-23 W6M.
- 2) Source water for the injection scheme will be obtained from Coplin Creek, subject to approval from the Water Resources Service. This water will be suitably treated by filtration and chlorination prior to injection.
- 3) Injection wells will be completed by cementing casing through the Inga zone, running tubing through a packer below the cement top, and filling the tubing - casing annulus above the packer with inhibited water.

- 4) Water will be injected at rates sufficient to maintain balanced or negative net fluid withdrawals, measured at reservoir conditions at the time of flood start.
- 5) A monthly operations report will be filed with the P. & N. G. Branch, within sixty days of the end of the report month. This report will present:
 - (a) a summary of monthly and cumulative production and injection data
 - (b) a summary of monthly and cumulative reservoir withdrawal and replacement data
 - (c) a graphical reservoir history, showing complete production and injection data for the project
- 6) Periodic comprehensive progress reports will be required, as stipulated under Division 104 of the Drilling & Production Regulations.
- 7) Prior to implementation of the waterflood scheme, approval must be obtained for the method by which it is proposed to dispose of associated gas production.
- 8) The operation of the waterflood scheme will be subject to periodic review and as a consequence the Chief, P. & N. G. Branch, may order modifications to the scheme.
- 9) This approval is subject to review and amendment if deemed necessary.

MINISTER

AJD:jm

cc: D. L. Johnson

Approved as per: