

February 5, 2003

5560-4800-59240-09 OGC - 03033

Don Waters, EIT
Development Engineer – High Level
Conoco Canada Resources Limited
P.O. Box 130
401 – 9th Avenue S.W.
Calgary, AB T2P 2H7

Conoca Project (02)

Dear Mr. Waters:

RE: WATERFLOOD PRESSURE MAINTENANCE APPROVAL, AMENDMENT #2 LAPP HALFWAY "C" POOL

The Commission has reviewed your application dated February 4, 2003 requesting an amendment to the waterflood pressure maintenance scheme approval for the subject pool.

Attached is Approval 98-09-002 (Amendment #2) for the application, granted under Section 100 of the Petroleum and Natural Gas Act.

This amendment approves the well d-48-C/94-H-10 (WA# 12761) as an additional water injection location. Increased water injection should benefit ultimate pool oil recovery and allow condition #2 of the approval to be met. Please note that the area of the approval has been increased to include unit 38-C/94-H-10.

Sincerely,

Craig Gibson, P. Eng.

Manager

Reservoir Engineering and Geology

Attachment

PRESSURE MAINTENANCE,		
WATERFLOOD, ETC.		
	Cop.	y 10
		Wellfile (originals)
		59240
		Daily
		Resource Revenue
		S. Chicorelli
		R. Stefik
		G. Farr
		P. Attariwala
		C. Gibson
å		D. Krezanoski

Approval Letters to Industry

GEP, SWD, CONCURRENT PROD,

APPROVAL 98-09-002 (AMENDMENT #2)

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

IN THE MATTER of a pressure maintenance scheme of Conoco Canada Resources Limited (Conoco) for waterflood recovery of oil by water injection into the Lapp Halfway "C" Pool.

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

The pressure maintenance scheme of Conoco for waterflood recovery of oil from the Lapp Halfway "C" Pool as such scheme is described in the Application dated December 8, 1997 and modified August 27, 1999 and February 4, 2003 is hereby amended, subject to the following terms:

- 1. The pressure maintenance scheme area shall be delineated by units 38, 48, 49, 58 and 59 of Block C/94-H-10.
- 2. The project oil allowable for a month shall be based on the previous month's voidage replacement.
- 3. Water may be injected into the Lapp Halfway "C" Pool through the wells located at c-48-C and d-48C/94-H-10.
- 4. The injection pressure at the sandface must not exceed the formation fracture pressure.
- 5. All associated gas production must be conserved.
- 6. An oil well may be drilled anywhere within the project area provided that it is not completed nearer than 100 m to the sides of the project area.
- 7. Progress reports shall be filed as stipulated in Section 8 of the *Petroleum and Natural Gas General Regulation*.
- 8. The operations of the pressure maintenance scheme will be subject to periodic review and modification to the approval may be ordered, if deemed appropriate.

Craig Gibson

Manager

Reservoir Engineering and Geology