



April 23, 2002

5560-4800-59240-09
OGC - 02076

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

Dear Mr. Waters:

**RE: WATERFLOOD PRESSURE MAINTENANCE APPROVAL, AMENDMENT #1
LAPP HALFWAY "D" POOL**

The Commission has reviewed your application dated April 17, 2002 requesting an amendment to the waterflood pressure maintenance scheme approval for the subject pool.

Attached is Approval 01-09-004 (Amendment #1) for the application, granted under Section 100 of the Petroleum and Natural Gas Act. Successful injectivity testing of the well d-30-C/94-H-10 (bottom-hole b-40-C) confirms that injection at this location should improve oil recovery from this pool.

As noted in condition #5, the Commission must be informed in writing of the date of initial injection, at which point the approval becomes effective.

Sincerely,

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

Attachment

Approval Letters to Industry
GEP, SWD, CONCURRENT PROD,
PRESSURE MAINTENANCE,
WATERFLOOD, ETC:

Copy 9

- Wellfile (originals)
- 59240
- Daily
- Resource Revenue
- S. Chicorelli
- R. Stefik
- G. Farr
- P. Attariwala
- D. Krezanoski

ENGINEERING AND GEOLOGY BRANCH

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Location: 6th Flr 1810 Blanshard St. Victoria BC

APPROVAL 01-09-004 (AMENDMENT #1)

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 recovery of oil by water injection in the Lapp Halfway "D" Pool.

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:

The pressure maintenance scheme of Conoco for waterflood recovery of oil from the Lapp Halfway "D" Pool as such scheme is described in the application from Conoco dated September 24, 2001 and April 17, 2002 is hereby amended, subject to the following terms:

1. The area of the pressure maintenance scheme consists of units 40 and 50 of Block C/ 94-H-10.
2. The project daily oil allowable is 68.8 m³.
3. Water may be injected into the Lapp Halfway "D" pool through the well d-30-C/94-H-10 (BH b-40-C) WA 14817.
4. The scheme is deemed to have commenced upon water being injected into the well referred to in clause 3.
5. The Commission must be notified in writing of the date of commencement. (May 10, 2002)
6. The injection pressure measured at the sandface must not exceed the formation fracture pressure.
7. An oil well may be completed anywhere within the project area provided that it is not nearer than 100 m to the sides of the project area.
8. Progress reports shall be filed as stipulated in Section 8 of the *Petroleum and Natural Gas General Regulation*.
9. Royalty-exempt oil production entitlement for the discovery well Conoco Lapp a-50-C/94-H-10 (WA13631) is limited to a volume of 4,194.7 m³ or the volume produced in the first 36 producing months, whichever is lesser.
10. 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

DATED AT the City of Victoria, in the Province of British Columbia, this 23rd day of April 2002.