



February 28, 2002

8100-6200-59240-09  
OGC - 02043

Ms. Sara A. Michalski  
Technologist, Exploitation Department  
Devon Canada Corporation  
Home Oil Tower  
1600, 324 - 8th Ave SW  
Calgary, AB T2P 2Z5

Dear Ms. Michalski:

**Re: WATERFLOOD PRESSURE MAINTENANCE APPROVAL, AMENDMENT #4  
STODDART WEST - BELLOY "C" POOL**

The Commission has reviewed your letter dated February 26, 2002 requesting that the waterflood pressure maintenance Approval 91-09-001 (Amendment #3) for the subject pool be amended. Specifically, you request that the conditions # 3 and #4 of the Approval be amended.

Based on a review of the production/injection performance, we concur that the water injectivity in the northwest portion of the pool is very poor. As a result voidage replacement ratio of 1.0 cannot be maintained in the pool. Accordingly, attached is Approval 91-09-001 (Amendment #4) for the application, granted under Section 100 of the Petroleum and Natural Gas Act.

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**

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

**APPROVAL 91-09-001 (AMENDMENT #4)**

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

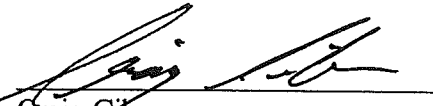
---

IN THE MATTER of a pressure maintenance scheme of Devon Canada Corporation (Devon) for waterflood recovery of oil by water injection into a portion of the Stoddart West Belloy "C" Pool.

The approval granted pursuant to Section 100 (previously Section 116) of the Petroleum and Natural Gas Act, R.S.B.C. 1996, c.361 is hereby amended as follows:

The pressure maintenance scheme for waterflood recovery of oil from the Stoddart West Belloy "C" Pool as described in the applications dated March 11, 1991, November 25, 1996, July 26, 1999, March 6, 2000 and February 26, 2002 is hereby amended, subject to the terms herein contained:

1. The project area of the pressure maintenance scheme consists of E/2 sec 21, SW/4 & N/2 sec 22, NW/4 sec 23, sec 27, E/2 sec 28, NE/4 sec 32, sec 33 and sec 34 of Twp 85 Rge 20 W6M, sec 3, sec 4, SW/4 & E/2 sec 5, and sec 9 of Twp 86 Rge 20 W6M.
2. The project daily oil allowable, being the sum of the individual well allowables, is 580.0 m<sup>3</sup>.
3. Water may be injected into the Stoddart West Belloy "C" pool through the wells located at 14-22, A16-22 (bottom-hole location 14-22), 6-27 (bottom-hole location 2-27), 14-33 and 3-34-85-20 W6M.
4. All associated produced gas must be conserved.
5. The injection pressure measured at the sandface must not exceed the formation fracture pressure.
6. An oil well may be drilled anywhere within the project area provided that it is not 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

DATED AT the City of Victoria, in the Province of British Columbia, this 28<sup>th</sup> day of February, 2002.