



OIL AND GAS COMMISSION

August 10, 1999

8100-6200-59240-09
OGC990436

Mr. Ray Kowal
Production Engineer
Fort St. John District
Anderson Exploration Ltd.
1600, 324 - 8th Ave SW
Calgary, AB T2P 2Z5

Anderson Project (05)

Dear Mr. Kowal:

**Re: MODIFICATION OF WATERFLOOD PRESSURE MAINTENANCE APPROVAL
STODDART WEST - BELLOY "C" POOL**

The Commission has reviewed the letter from Anderson Exploration Ltd., dated July 26, 1999, proposing that wells 2-27 and 8-28-85-20 W6M be approved as additional water injection wells in the subject pool.

The alteration of suspended wells for pressure maintenance should aid in oil recovery from the pool. Condition #3 of the waterflood approval originally granted May 22, 1991 under section 116 of the Petroleum and Natural Gas Act, and revised December 9, 1996, has been changed to include these locations.

Attached is Approval 91-09-001 (Amendment #2) for the application, granted under Section 100 of the Act.

Sincerely,

B. van Oort, P. Eng.
Director
Engineering and Geology Branch

Attachment

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

Copy

- Wellfile (originals)
- 59240
- Daily
- Resource Revenue
- R. Stefik
- G. Farr

Email

- D. Krezanowski
- S. Chicorelli

C. Gibson

P.S. Attarigwale

ENGINEERING AND GEOLOGY BRANCH

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APPROVAL 91-09-001 (AMENDMENT #2)

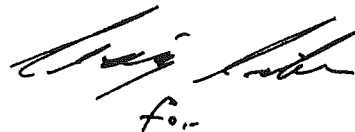
**THE PROVINCE OF BRITISH COLUMBIA
PETROLEUM AND NATURAL GAS ACT
OIL AND GAS COMMISSION**

IN THE MATTER of a pressure maintenance scheme of Anderson Exploration Ltd (Anderson) for waterflood recovery of oil by water injection into 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 of Anderson for waterflood recovery of oil from the Stoddart West Belloy "C" Pool as described in the application from Anderson dated March 11, 1991 and modified November 25, 1996 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, and sec 34 of Twp 85 Rge 20 W6M.
2. The project daily oil allowable, being the sum of the individual well allowables, is 428.4 m³.
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), 4-27 and 8-28-85-20 W6M.
4. Water will be injected at rates sufficient to maintain a minimum reservoir voidage replacement ratio of 1.0 on an annual basis.
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.



Bou van Oort
Director
Engineering and Geology Branch

DATED AT the City of Victoria, in the Province of British Columbia, this 10th day of August, 1999.