

Oil and Gas Commission

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

November 10, 1998

Mr. B.K. Rauch, P. Eng.
Area Technical Leader
Imperial Oil Resources Limited
Box 2480 Stn M
237 Fourth Avenue S.W.
Calgary, AB T2P 3M9

<i>Copy</i>	
<input type="checkbox"/>	Wellfile (originals)
<input type="checkbox"/>	59240
<input type="checkbox"/>	Daily
<input type="checkbox"/>	Resource Revenue
<input checked="" type="checkbox"/>	R. Stefik
<input type="checkbox"/>	G. Farr
<i>Email</i>	
<input type="checkbox"/>	D. Krezanowski
<input type="checkbox"/>	S. Chicorelli

Ref: OGC980818
File: 8130-4520-59240-09

Imperial Project (02)

Dear Mr. Rauch:

Re: Waterflood Pressure Maintenance Approval, Amendment #1
Sunset Prairie Cecil "A", "C" and "D" Pools

The Commission has reviewed your application dated November 9, 1998 wherein you requested an amendment to the waterflood pressure maintenance scheme approval for the subject oil pools.

Based on the review of Progress Reports No. 1 and 2, it is concluded that the waterflood has been successful in these pools. Attached is Approval # 96-09-005 (Amendment #1) for the application, granted under section 100 of the Petroleum and Natural Gas Act. The oil production allowable is now based on the previous month's voidage replacement.

Yours sincerely,



B. van Oort
Director
Engineering and Geology Branch

Attachment

APPROVAL 96-09-005 (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 Imperial Oil Resources Limited (Imperial) for waterflood recovery of oil by water injection into the Sunset Prairie Cecil "A", "C" and "D" pools.

The approval granted pursuant to section 100 (previously 116) of the Petroleum and Natural Gas Act, is hereby amended as follows:

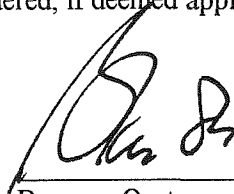
1. The pressure maintenance scheme of Imperial for waterflood recovery of oil from the Sunset Prairie Cecil "A", "C" and "D" pools as such scheme is described in the Application from Imperial dated September 23, 1996 and supplemented with an additional application dated November 9, 1998 is hereby approved, subject to the terms herein contained.
2. The pressure maintenance scheme area is delineated as follows:

NE/4 sec 19, W/2 sec 19, sec 30, sec 31 and W/2 sec 32-79-18 W6M,

E/2 sec 24 and E/2 sec 25-79-19 W6M,

sec 5, E/2 sec 6, SW/4 sec 6, NE/4 sec 7, sec 8, W/2 sec 16, sec 17, SE/4 sec 18, E/2 sec 20, sec 21, sec 28, SE/4 sec 29 and sec 33-80-18 W6M.
3. The oil production for a month shall be based on the previous month's voidage replacement for each pool.
4. Water may be injected into the following wells:
 - Cecil "A" pool: 14-5, 14-8, 9-17 and 14-21-80-18 W6M.
 - Cecil "C" pool: 4-30-79-18 W6M.
 - Cecil "D" pool: 7-33-80-18 W6M.
5. The injection pressure at the sandface must not exceed the formation fracture pressure.
6. All associated gas production must be conserved.
7. 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.

8. Progress reports shall be filed as stipulated in Part 9, section 108 of the British Columbia Drilling and Production Regulation.
9. 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 12th day of November, 1998.